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Columbus, Ohio.

Commissioner.

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Twenty-Sixth Annual Report

OF THE

Bureau of Labor Statistics

TO THE

75th General Assembly

Of the State of Ohio

For the Year 1902.



COLUMBUS, OHIO:

FRED. J. HEER, STATE PRINTER

1903

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LETTER OF TRANSMITTAL.

STATE OF OHIO, BUREAU OF LABOR STATISTICS,
COLUMBUS, OHIO, Dec. 31st, 1902.

To his Excellency, George K. Nash, Governor of Ohio.

SIR:— I have the honor to submit, through you, to the General Assembly the twenty-sixth annual report of the Bureau of Labor Statistics, as provided by Section 310 of the Revised Statutes of Ohio.

Very respectfully

M. D. RATCHFORD,
Commissioner.

STATE OF OHIO.

BUREAU OF LABOR STATISTICS.

HON. M. D. RATCHFORD.....	Commissioner.
FRANK ASHMAN.....	Chief Clerk.
NELLIE E. SHEEHAN....	Stenographer.
HANNAH JONES.....	Clerk.
MRS. EMILIE GUTHKE.....	Clerk.
H. G. JORDEN.....	Clerk.

(Copies of this edition can be obtained on application to the Bureau.)

INTRODUCTORY.

The twenty-sixth annual report herewith submitted is devoted chiefly to the General Manufactures of the State, with special classifications relating to Glass and Glassware, Pottery and Stoneware, Brick and Tile, Liquors, Malt and Distilled, and Gas and Electricity. The total establishments included in those classes making full returns during the year number 5,329, which shows the marked increase over the last report of 2,809, and more than equals the number received for any two years since 1894, during which years the Bureau has treated consecutively, and perhaps given greatest prominence to, its inquiries on Manufactures. Included also in the report are the laws governing the Bureau, with recent laws and decisions affecting labor; an investigation of the condition of working women in shop and factory occupations (continued from last year); and also the annual report of the Free Public Employment Offices of the State.

The figures as shown here, with very few exceptions, include only the number of establishments in operation during the whole period covered by the report, and, when we consider them in connection with the large number embarking in business within that time, the number abandoned, as well as those that have changed hands, or have been destroyed by fire or other causes, and whose reports could not well be obtained, it is thought that the figures represent very fully the established industries of the State, and that the report is without exception the most complete publication ever prepared by the Bureau.

This very satisfactory showing indeed, in this branch of the work, is entirely attributable to the amended law enacted by the Legislature, at its last session, affecting the collection of statistics, and which is found elsewhere in this report, coupled, of course, with the desire on the part of the Bureau and its agents for the full and proper observance, and, wherever necessary, for the enforcement of such law. I am glad to state, however, that in no case have we found it necessary to go into litigation.

It will be observed that, under the law **formerly** governing the Bureau, inquiries relating to "Capital invested," "Value of products," etc., although commonly made, were **not** specifically authorized by such law. It occurred therefore that the validity of such inquiries were quite frequently questioned, and, to all appearances, successfully so, as the Attorney General sustained this point in an opinion rendered May 3d, 1901. It was thus made evident that the law governing in this particular was either loose and ambiguous, or that the proper limitations were exceeded

in its execution. In any event, the information desired could not be fully secured, and, as it related directly to the business and commercial interests of the State and to the wages of labor, its statistical value was believed to be of the utmost importance. It was therefore thought advisable to frame an amendment to the law, sufficiently clear and comprehensive in its terms, to remove this difficulty, which was done with the result above indicated.

It will be noted also that the summary of manufactures showing the general volume of business and the amount paid in wages, as compared with last report, is not quite in proportion to the increased number of establishments that have made returns. This is also true, to some extent, of the several classifications. However, it argues nothing for a decline in any branch of business; in fact, it is quite the reverse, as the discrepancy in the figures is due in some measure to the nature of the industry and to the number employed, but mostly to the preference of the Bureau in collecting its statistics mainly from the larger concerns during previous years, while in this case the large and small alike have been listed, and their reports included.

Special attention is invited to the daily wage tables. The number affected by an advance in wages will bear about an equal proportion to the increased number of establishments and the number employed. There are 46,286 persons who received an average advance in wages of 8.4 per cent, or an aggregate of \$1,843,402. The number affected by a reduction in wages, based also upon the establishments and the number employed, is proportionately greater; while the actual change in the rate is slightly less significant than in the case of those who were otherwise affected. The number of persons upon whom a reduction in wages has been imposed is 1,251, and the average reduction is 6.2 per cent, or an aggregate of \$26,774.

Summing up the situation as a whole, it may be said that the scales of industry, as affecting directly the interest of the employer and employee alike, were pretty evenly balanced. There was no great fluctuation in wages, and the absence of strikes, which was very noticeable, gave to the industrial condition of the State a degree of contentment and prosperity seldom, if ever before equalled.

The investigation concerning working women, continued from last report, has proven to be one of the most highly interesting subjects, and has, I believe, attracted more general attention than almost any other that we have gone into. It includes the actual canvasses made in sixteen of the larger cities of the State, in which the agents of the Bureau have come directly face to face with the employes, from whom the information was secured. It is hoped that still further and greater attention will be given this subject, which indeed seems so deserving.

There has been no changes in the personnel of the Free Employment Office force. Mr. Samuel Cohn, of Toledo, was re-appointed September 1,

1902, Mr. J. S. Richardson, of Cincinnati, September 15, 1902, Mr. John Iliff, of Dayton, October 1, 1902, and Miss Minnie I. Graham, of Dayton, December 15, 1902, all for a term of two years.

In closing, I take this occasion to extend my most sincere thanks to the Chief Executive and his official force for the courtesies always received; also to the efficient clerical force of the Bureau, its special agents and free employment offices for their services and strict attention to duty; also to the manufacturers, wage earners and others, who have so cheerfully contributed the data and information from which the following report is compiled.

PART I.

Laws Governing the Bureau and Recent Ohio Labor Laws
and Court Decisions.

LAWS

Governing the Bureau of Labor Statistics.

SEC. 307. The commissioner of labor statistics shall be appointed by the governor, by and with the advice and consent of the senate, and shall hold his office for two years.

SEC. 308. The commissioner shall have an office in the state house, which shall be a bureau of statistics of labor, and he shall collect, arrange and systematize all statistics relating to the various branches of labor in the state, and especially those relating to the commercial, industrial, social, educational and sanitary conditions of the laboring classes. Said commissioner is hereby authorized and directed, immediately after the passage of this act, to organize and establish in all cities of the first class, and cities of the first and second grade of the second class in the state of Ohio, a free public employment office, and shall appoint one superintendent for each of said offices to discharge the duties hereinafter set forth. Said superintendents shall cause to be posted in front of their said offices on a sign board, or in a suitable place on the building where such offices are located, the words, "Free Public Employment Office." It shall be the duty of such superintendents to receive all applications for labor of those desiring employment and those desiring to employ labor, and record their names in a book kept for that purpose, designating opposite the name of each applicant the character of employment or labor desired, and the address of such applicant. Each of said superintendents shall be provided with such clerical assistance as in the judgment of the commissioner may appear necessary for properly conducting the duties of their several offices.

No compensation or fee shall, directly or indirectly, be charged to or received from any person or persons seeking employment, or any person or persons desiring to employ labor through any of said offices. Said superintendents shall make a weekly report on Thursday of each week to said commissioner of all persons desiring to employ labor, and the class thereof, and all persons applying for employment through their respective offices, and the character of employment desired by each applicant; also, of all persons securing employment through their respective offices and the character thereof, and a semi-annual report of the expense of maintaining such offices. Said commissioner shall cause to be printed weekly a list of all applicants and the character of

employment desired by them, and of those desiring to employ labor, and the class thereof, received by him from the respective offices aforesaid, and cause a true copy of such list on Monday of each week to be mailed to the superintendent of each of said offices in the state, which said list by the superintendent shall be posted immediately, on receipt thereof, in a conspicuous place in his office, subject to the inspection of all persons desiring employment. Said superintendents shall perform such other duties in the collection of labor statistics as said commissioner shall determine. Any superintendent or clerk, as herein provided, who directly or indirectly charges or receives any compensation from any person whomsoever in securing employment or labor for any other person, or persons, as provided in this act, shall be deemed guilty of a misdemeanor, and be fined in any sum not exceeding fifty dollars and imprisoned in the county jail or workhouse not exceeding thirty days. The superintendent of each of said offices shall receive a salary, to be fixed by the council of such city, payable monthly. The clerk or clerks required in any such offices, shall receive a salary of not more than fifty dollars per month; provided the compensation of such superintendents and clerks so appointed shall be paid out of the city treasury, in which such free public employment office may be located.

SEC. 308a. The tenure of office for all superintendents and clerks of free public employment offices shall be two years from the date of appointment, but the commissioner of labor statistics shall have the power of removing any of such superintendents and clerks for good and sufficient cause, and all appointments and removals of such superintendents and clerks shall be made with the consent of the governor.

SEC. 309. The commissioner shall have power to send for persons and papers, to examine witnesses under oath, to take depositions, to cause them to be taken by others by law authorized to take depositions; and said commissioner may depute any uninterested person to serve subpoenas upon witnesses, who shall be summoned in the same manner and paid the same fees as witnesses before a county court, but for this purpose persons are not required to leave the vicinity of their residence or place of business, and any person or owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop, manufacturing or other industrial establishment, or any agent or employee of such owner, operator, manager or lessee who shall refuse said commissioner admission therein for the purpose of inspection, or who shall, when requested by him, wilfully neglect or refuse to furnish to him any statistics or other information relative to his lawful duties which may be in their possession or under their control, or who shall wilfully neglect or refuse, for thirty days, to answer such questions by circular or upon

personal application, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey the subpoenas and give testimony according to the provisions of this act shall, for every such wilful neglect or refusal be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not less than fifty nor more than five hundred dollars.

SEC. 310. The commissioner shall make an annual report to the general assembly of the work done by the bureau. Said report shall be so compiled so as not to expose, without a written consent, the name or private affairs of any person, firm, company or corporation that has furnished such information as the bureau requires.

AN ACT

To amend Section 308 of the Revised Statutes of Ohio.

Be it enacted by the General Assembly of the State of Ohio:

SECTION I. That section 308 of the Revised Statutes be amended so as to read as follows:

Sec. 308. The commissioner shall have an office in the state house which shall be a bureau of labor statistics, and he shall collect, arrange and systematize all statistics relating to the industrial, social, educational and sanitary conditions of the laboring classes, and to the productive industries of the state, including the names of firms, companies, or corporations, where located, capital invested in grounds, buildings and machinery; class and value of goods produced or manufactured; number of days in operation; amount paid yearly for rent, taxes and insurance; amount paid in wages; number of employes, male and female; number engaged in clerical work and manual labor, with detailed classification of the number and sex engaged in each class or occupation, and the average daily wages paid to each. Said commissioner is authorized to appoint special agents to represent the bureau with authority to visit the delinquent firms and collect such statistics, and perform such other duties as may be required, with like power as is conferred by law upon said commissioner; provided, that the compensation of such agents is paid from the contingent fund of the bureau. Said commissioner is hereby authorized and directed, immediately after the passage of this act, to organize and establish in all cities of the first class, and cities of the first and second grade of the second class in the state of Ohio, a free public employment office, and shall appoint one superintendent for each of

said offices to discharge the duties hereinafter set forth. Said superintendents shall cause to be posted in front of their said offices on a sign board, or in a suitable place on the building where such offices are located, the words, "Free public employment office." It shall be the duty of such superintendents to receive all applications for labor of those desiring employment and those desiring to employ labor, and record their names in a book kept for that purpose, designating opposite the name of each applicant the character of employment of labor desired, and the address of such applicant. Each of said superintendents shall be provided with such clerical assistance as in the judgment of the commissioner may appear necessary for properly conducting the duties of their several offices.

No compensation or fee shall, directly or indirectly, be charged to or received from any person or persons seeking employment, or any person or persons desiring to employ labor through any of said offices. Said superintendent shall make a weekly report on Thursday of each week to said commissioner of all persons desiring to employ labor, and the class thereof, and all persons applying for employment through their respective offices, and the character of employment desired by each applicant; also, of all persons securing employment through their respective offices, and the character thereof, and a semi-annual report of the expense of maintaining such offices. Said commissioner shall cause to be printed weekly a list of all applicants and the character of employment desired by them, and of those desiring to employ labor, and the class thereof, received by him from the respective offices aforesaid, and cause a true copy of such list on Monday of each week to be mailed to the superintendent of each of said offices in the state, which said list by the superintendent shall be posted immediately, on receipt thereof, in a conspicuous place in his office, subject to the inspection of all persons desiring employment. Said superintendents shall perform such other duties in the collection of labor statistics as said commissioner shall determine. Any superintendent or clerk, as herein provided, who directly or indirectly charges or receives any compensation from any person whomsoever in securing employment or labor for any other person, or persons, as provided in this act, shall be deemed guilty of a misdemeanor, and be fined in any sum not exceeding fifty dollars and imprisoned in the county jail or workhouse not exceeding thirty days. Said superintendent of each of such offices shall receive a salary of twelve hundred dollars per annum, and said clerk shall receive a salary of six hundred dollars per annum, payable monthly. Said salaries shall be paid upon warrant of the auditor of state on the treasurer of state from the state funds through the bureau of labor statistics.

SECTION 2. That said section 308 of the Revised Statutes be and the same is hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,
Speaker of the House of Representatives.

CARL L. NIPPERT,
President of the Senate.

Passed April 29, 1902.

EXAMINATION OF STATIONARY ENGINEERS.

O. L. 95 v. 48

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 4364-89*l*, 4364-89*m*, 4364-89*n*, 4364-89*o*, 4364-89*p*, 4364-89*q*, 4364-89*r*, 4364-89*s*, 4364-89*t*, 4364-89*u*, 4364-89*v*, and 4364-89*w* of the Revised Statutes of Ohio be amended so as to read as follows:

(4364-89*l*) Sec. 1. That it shall be unlawful for any person to operate a stationary steam boiler or engine in the state of Ohio, of more than thirty (30) horse power, except boilers and engines under the jurisdiction of the United States, and locomotive boilers and engines, without having been duly licensed so to do as herein provided. And it shall be unlawful for any owner or user of any steam boiler or engine, other than those excepted, to operate or cause to be operated such steam boiler or engine without a duly licensed engineer in charge.

(4364-89*m*) Sec. 2. For the purpose of facilitating an efficient and thorough examination of engineers throughout the state of Ohio, and to provide for a more adequate protection of life and property, the state is hereby divided into eight (8) districts, to be designated by the chief examiner.

(4364-89*n*) Sec. 3. The governor of the state of Ohio, with and by the advice and consent of the senate, shall appoint one chief examiner of steam engineers, and said chief examiner of steam engineers, with the approval of the governor, shall appoint eight (8) district examiners of steam engineers; provided, however, that not more than four (4) of said examiners so appointed shall be members of any one of the political parties. The chief examiner and district examiners shall be competent and practical steam engineers, and shall hold their offices for a term of three (3) years from the first day of May, 1902, after their respective appointments, and until their successors are appointed and qualified. The first appointment hereunder shall be made within sixty days from the passage of this act. In case of the resignation, removal or death of the chief examiner, or any district examiner, the vacancy shall be filled in the manner as provided for the

original appointment, for the unexpired term only, of the position so made vacant.

(4364-89o) Sec. 4. Each candidate for chief examiner shall have had not less than ten (10) years' experience as a practical steam engineer, previous to his appointment, and each candidate for district examiner shall have had not less than seven (7) years' experience as a practical steam engineer, previous to his appointment.

(4364-89p) Sec. 5. The chief examiner and district examiners shall give their whole time and attention to the duties of their offices respectively. The chief examiner shall be located in Columbus, and shall have his office in the state house, where shall be kept the records of his office, and for the purpose of keeping such records shall be allowed one clerk at a salary not to exceed \$1,000 per annum, said clerk to be appointed by the chief examiner, with the approval of the governor, and to give a bond in the sum of \$1,500. The chief examiner shall issue such instructions, make such rules and regulations for the government of the district examiners, not inconsistent with powers and duties vested in them by law, as shall secure a uniformity of action and proceedings throughout the different districts. The chief examiner shall receive a salary of \$1,800 per annum, and the district examiners shall each receive a salary of \$1,200 per annum, which salary and all necessary traveling and office expenses incurred by said examiners in the discharge of their duties, shall be paid out of the treasury of the state from any fund therein not otherwise appropriated, on the warrant of the auditor, on the presentation to him of the proper vouchers. The chief examiner shall give a bond in the sum of \$3,000, and the said district examiners shall each give a bond in the sum of \$2,000. All bonds required by this act to be given shall be approved by the governor.

(4364-89q) Sec. 6. Any person who desires to act as steam engineer shall make application to the district examiner of steam engineers for a license so to act upon a blank furnished by the examiner; provided, however, that said applicant shall have had not less than one year's practical experience as a fireman or oiler, and shall successfully pass an examination upon the following subjects: The construction and operation of steam boilers, steam engines and steam pumps, and also hydraulics, under such rules and regulations as may be adopted by the chief examiner. If, upon such examination, the applicant is found proficient in each of said subjects a license shall be granted to him to have charge of and operate stationary steam boilers and engines of the horse power named in this act. Such license shall continue in force for one year from the date the same is issued, unless after a proper hearing and for sufficient cause it is sooner revoked.

(4364-89r) Sec. 7. Any person to whom a license is issued under

the provisions of this act shall at the expiration of one year from the date thereof be entitled to a renewal thereof for one year, unless, in the opinion of the district examiner of his district such renewal should be refused, in which event such person shall have the right to appeal to the chief examiner provided for in section 9.

(4364-89s) Sec. 8. The fee for license and examination shall be \$2.00 and the fee for renewal of license shall be \$1.00. All fees collected and received by the district examiners from the issue of licenses and the renewal of the same shall be, on or before the 5th day of each month, remitted to the chief examiner at Columbus, together with a monthly report of the business of their offices. Said chief examiner shall pay into the treasury, to the credit of the general revenue fund, all moneys and fees by him received from the district examiners, and on or before the 10th day of each month, said chief examiner shall file a monthly report with the governor, of the business of his office and the amount of money received by him and paid into the state treasury.

(4364-89t) SEC. 9. Any person dissatisfied with the action of any district examiner in refusing or revoking a license may appeal to the chief examiner, who shall investigate the action of said district examiner; if, upon such investigation, said chief examiner finds that the district examiner was justified in refusing or revoking such license, he shall sustain the district examiner in his action, but should said chief examiner find that the district examiner was not justified in refusing or revoking such license, he shall order said district examiner to issue a license to the person making the appeal.

(4364-89u) Sec. 10. It shall be the duty of each district examiner to notify every person operating a boiler or engine in his district mentioned in section 1, and not included in the exceptions therein specified, to apply for a license under this act, and to give such person a reasonable opportunity to take the examination therefor; provided, that all persons holding license issued to them under the act of the general assembly of the state of Ohio, passed March 1st, 1900 (94 O. L., 33-36) shall not be required to submit to a further examination during the period covered by such license first issued. But such former license shall evidence the qualifications of such person to operate the kind of steam plant, and for the period as therein designated, unless such license is sooner revoked for cause.

(4364-89v) Sec. 11. Any owner, user or engineer, who after being notified, as provided in section 10 of this act, violates any of the provisions of this act, shall be fined not more than \$100 nor less than \$10. The examiners shall have the authority and are hereby empowered to visit any and all engine rooms or boiler rooms in the state, at all reasonable hours.

(4364-89w) Sec. 12. It shall be the duty of every engineer to exhibit his license under glass in a conspicuous place in his engine room. Any

violation of this section shall be punishable by a fine not exceeding \$5.00.

SECTION 2. That said original sections 4364-89*l*, 4364-89*m*, 4364-89*n*, 4364-89*o*, 4364-89*p*, 4364-89*q*, 4364-89*r*, 4364-89*s*, 4364-89*t*, 4364-89*u*, 4364-89*v*, and 4364-89*w* of the Revised Statutes of Ohio be and the same are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after May 1st, 1902.

W. S. MCKINNON,

Speaker of the House of Representatives.

CARL L. NIPPERT,

President of the Senate.

Passed March 13, 1902.

MAPS FILED WITH CHIEF INSPECTOR OF MINES.

O. L. 95 v. 91.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 306-1, 306-2, 306-3, 306-4, and 306-5 of the Revised Statutes of Ohio be amended so as to read as follows:

Sec. 306-1. It shall be the duty of every person, firm or corporation engaged in drilling or exploring for natural gas or oil upon any land from which coal is being mined upon notice from the chief inspector of mines of the state of Ohio, or from any district inspector of mines of said state, to make or cause to be made, an accurate map thereof, which shall show the boundaries of each tract of land drilled upon, and the buildings and all monuments found upon such premises. Each well shall be plainly marked by a name, number or letter, and located whenever possible with reference to some well defined and lasting monument, so that its exact location may be determined. Such map shall contain a sworn statement of the person, firm or corporation operating such oil or gas wells that it is a true and accurate representation of the property; and a copy thereof shall be filed in the office of the chief inspector of mines and be open to inspection at all reasonable times.

Sec. 306-2. It shall be the duty of every person, firm or corporation leasing any land for coal mining purposes, and upon which gas or oil wells have been drilled to, or below any veins or seams of such mineral coal before proceeding to mine such coal to make, or cause to be made, and filed in the office of the chief inspector of mines such a map as is described in section 306-1 of the Revised Statutes of Ohio.

Sec. 306-3. Whenever any person, firm or corporation sinks any well for gas or oil on lands upon which coal or other mineral is being mined, and which well passes through any mine, it shall be the duty of the person drilling such well to drill the hole to a depth of at least ten feet below the vein of coal or other mineral being mined, when such hole shall be cased and sealed upon the outside of the casing, with suitable

material to the level of the coal floor; and each vein of mineral coal being mined, pierced by such well shall be sealed in same manner.

Sec. 306-4. It shall be the duty of the owner of any well drilled for oil or gas and which in drilling shall have passed through any vein of mineral coal, before abandoning, or ceasing to operate such well, and before drawing the casing therefrom, to seal the same in the manner following: There shall be driven in such well to a depth of at least ten feet below the floor of the lowest coal measure a round seasoned wooden plug at least three feet in length and equal in diameter to the diameter of the well at that point, on the top of which plug there shall be filled at least seven feet of sediment or drillings, or cement and sand. Where any gas or oil well passes through any gas or oil bearing rock lying above the coal measures, the owner of said well or his agent, shall, upon abandoning or ceasing to operate such well, drive a dry wooden plug not less than two feet in length, equal in diameter to the diameter of the hole, to a point as near as possible to the top of the coal vein, on the top of which plug there shall be filled at least five feet of sediment or drillings, or cement and sand, as the mine inspector shall direct.

In case such well is not plugged as aforesaid within ten days from the abandonment thereof, the chief inspector of mines, or a district inspector of mines may cause the well to be plugged, and the costs and expenses of such plugging may be recovered of the person, firm or corporation whose duty it is to plug the same in the manner provided for the recovery of penalties by section 303-5 of the Revised Statutes of Ohio.

Sec. 306-5. Every person, firm or corporation, failing to comply with any of the provisions of this act, shall be subject to a penalty of not less than one hundred dollars, nor more than two hundred dollars, to be recovered by action in the name of the state, and on collection, paid into the treasury of the state to the credit of a fund which is hereby appropriated for prosecuting violations of this act, to be paid out on requisition signed by the chief inspector of mines. Such action may be instituted in the court of common pleas of the county wherein any such well is located, or of Franklin county. In addition to the penalties herein provided, any person violating the provisions of this act shall be deemed guilty of a misdemeanor, and on conviction, be fined in any sum not less than fifty dollars nor more than two hundred, or be imprisoned not less than ten days nor more than thirty days, or both.

SECTION 2. Said original sections 306-1, 206-2, 306-3, 306-4, 306-5, 306-5a, 306-5b, 306-5c, 306-5d, 306-5e. 306-6 of the Revised Statutes of Ohio be and the same are hereby repealed, and this act shall take effect and be in force from and after its passage. W. S. MCKINNON,

Speaker of the House of Representatives.

CARL L. NIPPERT,

President of the Senate.

Passed April 3, 1902.

EMPLOYERS' LIABILITY FOR PERSONAL INJURY TO EMPLOYEE.

O. L. 95 v. 114.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. An employer shall be responsible in damages for personal injury caused to an employee, who is himself in the exercise of due care and diligence at the time by reason of any defect in the condition of the machinery or appliances connected with or used in the business of the employer, which arose from, or had not been discovered or remedied owing to the negligence of the employer, or of any person in the service of the employer, entrusted by him with the duty of inspection, repair, or of seeing that the machinery or appliances were in proper condition.

SECTION 2. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,

Speaker of the House of Representatives.

F. B. ARCHER,

President pro tem. of the Senate

Passed April 4, 1902.

MECHANICS' LIENS.

O. L., 95 v. 209.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That section 3184, 3184c, 3185, 3194, 3195, 3197 and 3200 of the Revised Statutes of the state of Ohio be amended so as to read as follows:

Sec. 3184. That every person who shall do or perform any work or labor upon or furnishes machinery or material for constructing, altering, or repairing a boat, or vessel, or other water craft, or for erecting, altering, repairing or removing a house, mill or manufactory, or any furnace or furnace material therein, or other building, appurtenance, fixture, bridge, or other structure, or for digging, drilling, boring, operating, completing or repairing of any gas well, oil well, or any other well, or performs labor in altering, repairing or constructing any oil derrick, oil tank, oil or gas pipe line, or furnishes tile for the drainage of any lot or land by virtue of a contract, expressed or implied, with the owner, part owner or lessee, of any interest in real estate or the authorized agent of the owner, part owner, or lessee of any interest in real estate, shall have a lien to secure payments of the same upon such boat, vessel, or other water craft, or upon such house, mill, manufactory, furnace, or other building, or appurtenance, fixture, bridge, or other structure, or upon

such gas well, oil well, or any other well, or upon such oil derrick, oil tank, oil or gas pipe line, and upon the material and machinery so furnished, and upon the interest, leasehold or otherwise, of the owner, part owner, or lessee in the lot or land upon which the same may stand, or to which the same may be removed.

Provided, that any person, firm, or corporation furnishing material or performing labor of any kind, entering into the construction of such building, or structure, or appurtenance, boat, vessel, or other water craft, furnace, fixture, bridge, or other structure, or upon such gas well, oil well, or any other well, or upon such oil derrick, oil tank, oil or gas pipe line, or tile, may before beginning to perform such labor or furnishing such material or machinery, or at any time thereafter, not to exceed ninety days (90) from the completion of such labor or delivery of such material or machinery, serve upon the owner, part owner, or lessee of the premises, or his agent, a written notice containing an itemized statement of the amount and value of such labor performed, or to be performed, or material or machinery furnished, or to be furnished, containing a description of any promissory notes that have been given by the principal contractor or subcontractor, on account of any such labor, material or machinery, or any part thereof, with all credits and off-sets thereon. The owner, part owner, or lessee shall not be liable to the subcontractor, or material man, or laborer for any greater amount than he contracted to pay the original contractor, but the risk of all payments made to the original contractor, after such owner, part owner, or lessee shall have received the notice before mentioned, shall be upon such owner, part owner, or lessee, and no payments made to any contractor after receiving said aforesaid notice shall defeat any lien of any subcontractor, material men, or laborers.

Sec. 3184c. Any contractor or subcontractor who shall purchase materials on credit, and represent at the time of purchase that the same are to be used in a designated building, or other improvements, and shall thereafter use or cause to be used the said materials in the constructions of any building, or improvements other than that designated, without the written consent of the person from whom the materials were purchased, with intent to defraud such person, shall be deemed guilty of a misdemeanor, and on conviction shall be punished by a fine not exceeding five hundred dollars (\$500.00).

Sec. 3185. Such person, in order to obtain such lien, shall within four months from the time of completion of such labor, or furnishing such machinery, or material, file with the recorder of the county where the labor was performed, or the machinery or the material furnished, an affidavit containing an itemized statement of the value and amount of such labor, machinery, or material, and a description of any promissory note or notes given for such labor, machinery or material, or any part thereof, with all credits or offsets thereon, a copy of the contract, if it is in writing, a

statement of the amount and times of payments to be made thereunder and a description of the land on which the gas well, oil well or other wells, are situated, or the land on which the house, mill, furnace, manufactory, or other building or appurtenance, fixture, bridge, or other structure may stand, or to which it may be removed, or on which such tile for drainage purposes may have been used: and the same shall be recorded in a separate book to be kept therefor, and shall operate as lien from the date of the first item of the labor performed, or the machinery or material furnished, upon or toward the property designated in section 3184 and the interest of the owner in the lot, or land on which the same may stand, or to which it may be removed, for six years from and after the date and of the filing of such attested statement. If any action be brought to enforce such lien within that time, the same shall continue in force until the final adjudication thereof; and there shall be no homestead or other exemption against any lien under the provision of this chapter.

Sec. 3188. If several liens be obtained by several persons, upon the same job, in the manner prescribed in the foregoing sections, they shall have no priority among themselves, and a lien of a promissory note described in any statement filed as provided in said sections shall take effect from the date of the first of the items, included in it; all payments on said liens shall be made pro rata.

Sec. 3194. The owner, officers, board, agent, or attorney of such owner, board, or officer, upon the receipt of the statement as provided for in section 3184, shall furnish the principal contractor or subcontractor with a copy thereof, within five days after receiving the same, and if such principal or subcontractor fail within five days thereafter to notify, in writing such owner, board, officer, clerk, agent or attorney, of his intent to dispute such claim, he shall be considered as assenting to the correctness thereof; and thereupon subsequent payments under the contract shall be applied by such owner, his agent or attorney pro rata among the lien holders, and all such payments made by the owner, agent or attorney, shall be considered as part payment on said contract between the owner or contractor.

Sec. 3195. Such subcontractor, material men, mechanic, laborer or person so filing his statement with the owner, board, or officer, or authorized clerk, agent or the attorney of such owner, board, officer, a sworn copy thereof, with the county recorder as provided in sections 3185 and 3187, shall to the extent of any balance remaining unpaid upon the contract of the owner, board or officers, with whom the same was made, have a lien to secure payment of the same, upon the boat, vessel, or other water craft, or upon the house, mill, manufactory, or other building, appurtenance, bridge or other structure, or of any gas well, oil well, or any other well, or upon the oil tank, oil derrick or gas pipe line, in or upon which the same was done or furnished, in the lot or land on which the same may stand, or to which it may be removed, which lien shall date back from the date

of the furnishing of the first item of such labor, material, or machinery, and to be subject to the same obligations, with respect to the owner, or his authorized agent, as the lien of a head contractor, in similar cases; and for filing and making any copy of such statement or certificate of the date of such filing, the recorder shall be entitled to the same fees as are provided by law for like services in regard to chattel mortgages.

Sec. 3197. The owner of property on which a lien has been taken under the foregoing sections may notify in writing the owner of a lien or his agent, or attorney to commence suit thereon; and if he fails to commence the suit within sixty days after receiving such a written notice, the lien shall be null and void; but nothing herein contained shall prevent the claim from being collected as other claims are collected by law.

Sec. 3200. If the head contractor disputes any such statement, or estimate of his said subcontractor, or material man, or a subcontractor disputes the statement of any laborer, mechanic, or person furnishing him material so filed and it cannot be adjusted between themselves, it shall be submitted to the arbitration of three disinterested persons, one (1) to be chosen by each of the parties, and one (1) by the two thus chosen, and their decision or that of any two of themselves, in the absence of fraud or collusion, be final and conclusive upon the parties.

SECTION 2. That sections 3184, 3184c, 3185, 3185a, 3188, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3209, 3201, 3202, 3203, 3204 of the Revised Statutes of the state of Ohio, be and the same are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,

Speaker of the House of Representatives.

CARL L. NIPPERT,

President of the Senate.

Passed April 18, 1902.

REGISTRATION OF LABELS AND TRADE MARKS.

O. L. 95 v. 248.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 4364-42, 4364-43, 4364-44 and 4364-45 of the Revised Statutes of Ohio be amended so as to read with sectional numbering as follows:

Sec. 4364-42. Any person or persons engaged in the selling of any merchandise, food or beverage in bottles or other vessels, and having a name or names, or other marks of ownership stamped or in any

manner designated upon such bottles or vessels, or upon covers or stoppers or other attachments of the same, or upon boxes or receptacles used for the handling or transportation of the same, may file in the office of the secretary of state a copy or description of such name or names or marks of ownership so used by them, and cause a certified copy of such filing to be published once a week for four successive weeks in a newspaper printed in the English language in the county wherein their principal place of business is located, and if this be in a county where a German newspaper is printed, also in a newspaper printed in the German language, or if there be no such principal place of business in the state, then in a newspaper printed in the English language and in a newspaper printed in the German language in any county in the state.

Sec. 4364-43. It shall hereafter be unlawful for any person or persons without the written consent of the owner or owners thereof, to fill or cause to be filled any such stamped or designated bottle or vessel, with intent to use or sell the same or contents thereof, or to use, buy, sell or wantonly destroy, or to receive with intent to use or sell, any such stamped or designated bottle or vessel, whether filled or not, or the stamped or designated cover or stopper or other attachment belonging thereto, or any such stamped or designated box or receptacle used for handling or transportation of such bottles or vessels, or to cause the same to be so used, bought, sold, wantonly destroyed or received. The using, buying or selling by any person or persons, or the possession by any person or persons without the written consent of the rightful owner, of any such stamped or designated bottle or vessel, or stamped or designated cover or stopper or attachment belonging thereto, or of any such stamped or designated box or receptacle used for handling or transportation of such stamped or designated bottles or vessels, shall be prima facie evidence of the unlawful use and receiving thereof as prohibited in this act.

The requiring, taking or accepting of any deposit for the return of any such stamped or designated bottle or vessel, or cover or stopper or attachment belonging to same, or box or receptacle used for handling or transportation of same, or the demanding or accepting of any compensation for the nonreturn of any of such property, shall not be deemed a sale of such property, either optional or otherwise, in any proceeding under this act.

Any person or persons violating the provisions of this act shall be guilty of a misdemeanor and shall be punished before any court of competent jurisdiction for the first offense by a fine of fifty cents for each and every such bottle or vessel so filled, or each and every bottle, vessel, stopper, attachment, box or receptacle so used, bought, sold, destroyed or received, or caused to be sold, used, bought, destroyed or received, contrary to the provisions of this act, or by imprisonment

not less than ten days nor more than thirty days, or by both such fine and imprisonment, and for each subsequent offense by a fine of not less than one dollar nor more than five dollars for each and every such bottle or vessel so filled or caused to be filled, or each and every bottle, vessel, cover, stopper, attachment, box or receptacle so used, bought, sold, destroyed or received, or caused to be so sold, used, bought, destroyed or received, contrary to the provisions of this act, or by imprisonment not less than twenty days nor more than sixty days, or by both such fine and imprisonment.

Sec. 4364-44. In case the owner or owners, having complied with the provisions of section 4364-42 of the Revised Statutes of Ohio, or the agent of such owner or owners, shall make oath in writing before any justice of the peace or police judge, that affiant has reason to believe and does believe, that any person or persons, are using in any manner declared unlawful by this act, any such marked or designated bottle or vessels, or marked or designated cover or stopper or attachment belonging thereto, or any such marked or designated box or receptacle used for handling or transportation of said bottles and vessels, the property of such owner or owners, or have the same in possession on premises occupied, used or controlled by such person or persons, the said justice of the peace or police judge shall issue his search warrant and cause the premises designated to be searched, and thereafter such proceedings shall be had as now are provided by law in other cases where such warrants are issued.

Sec. 4364-44a. Any person or persons, who have heretofore filed in the office of the secretary of state a description of their property and caused the same to be published according to the law existing at the time of such filing and publication, shall be required to again file and publish such description, in accordance with section 4364-42 of the Revised Statutes of Ohio, and, in the event of a lawful change of ownership of such property, and regardless of a previous filing and publication by its late owner or owners, the person or persons acquiring the ownership, shall also be required to file and publish the name or names of marks of ownership upon their property in the manner provided for by section 4364-42 of the Revised Statutes of Ohio to be entitled to the benefits of this act.

Sec. 4364-45. All costs incurred in the enforcement of provisions of this act shall be assessed and collected in the same manner as in criminal cases; and all fines collected by virtue of this act shall be turned over by the court collecting the same, in the same manner, and for the same purpose as fines in cases of assault and battery are now by law disposed of.

SECTION 2. Said original sections 4364-42, 4364-43, 4364-44 and 4364-45 of the Revised Statutes of Ohio be and the same are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage.

W. S. McKINNON,
Speaker of the House of Representatives.

CARL L. NIPPERT,
President of the Senate.

Passed April 23, 1902.

PLACING LOW WATER ALARMS ON STEAM BOILERS.

O. L. 95 v. 311.

Be it enacted by the General Assembly of the State of Ohio:

SECTION I. That sections 4364-89*h*, 4364-89*i*, 4364-89*j* and 4364-89*k* of the Revised Statutes of Ohio be amended so as to read as follows:

Sec. 4364-89*h*. That all stationary steam boilers operated or used, or caused to be operated or used, by any person, firm or corporation, within the state of Ohio, shall have upon them a low-pressure safety alarm column, which shall sound an alarm for the purpose of calling the attention of the engineer, fireman or person in charge of such boiler to the depth of water in the boiler before the same reaches the danger point. That the said low water safety alarm column shall be a type capable of being tested easily by the chief examiner of steam engineers, or any of his district examiners, and shall be so connected with the boiler that the low water alarm will be sounded when there is not less than two inches of water over the highest point of the tubes or crown sheets. That the chief examiner of steam engineers, or any of his district examiners, shall be authorized to enter upon the premises of any person, firm or corporation within this state for the purpose of inspecting any stationary steam boiler to ascertain as to whether it is equipped as herein provided.

Sec. 4364-89*i*. It shall be unlawful for any person, firm or corporation to operate any stationary steam boiler unless it is equipped with a low water alarm column after the date herein specified.

Sec. 4364-89*j*. Any person, the member of any firm, or the member of any board of directors of any corporation who shall violate any of the provisions of this act, or shall refuse or neglect to comply with any of its provisions, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof, be punished by a fine of not less than twenty-five (25) dollars nor more than fifty (50) dollars and costs, or by imprisonment in the county jail of the county where conviction was had for a period of not less than thirty (30) days nor more than ninety (90) days, or both, such fine and imprisonment at the discretion of the court, for each and every offense.

SECTION 2. That sections 4364-89*h*, 4364-89*i*, 4364-89*j* and 4364-89*k* of the Revised Statutes of Ohio be and the same are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,
Speaker of the House of Representatives.
CARL L. NIPPERT,
President of the Senate.

Passed April 29, 1902.

COUNTER FLOORS FOR SAFETY OF PERSONS IN CONSTRUCTING BUILDINGS.

O. L. 95 v. 331.

Be it enacted by the General Assembly of the State of Ohio

SECTION 1. That section 4238-20, of the Revised Statutes of Ohio be amended as follows:

Sec. 4238-20. That whoever being the owner, lessee, agent, factor, architect or contractor, being engaged in and having supervision and charge of the building, erection or construction of any block, building or structure, who shall neglect or refuse to place or have placed upon the joists of each and every story of such block, building or structure, as soon as the joists are in position, counter floors of such quality and strength as to render perfectly safe the going to and fro thereon of all mechanics, laborers and other persons engaged upon the work of construction or in supervising the same, or in the building or placing of materials therefor, shall be deemed guilty of a misdemeanor and upon conviction thereof in any court of competent jurisdiction shall be fined in any sum not less than \$25 nor more than \$200, and each and every day that such person, contractor, agent, factor, or architect shall so neglect or refuse to have such floors so placed as aforesaid, after written notice by the building inspector or from any person whose life or personal safety may be endangered by such neglect or refusal, shall be held and considered a separate offense severally liable to the penalties aforesaid.

SECTION 2. That said section 4238-20 of the Revised Statutes of Ohio be and the same is hereby repealed, and this act shall take effect and be in force from and after its passage.

W. S. MCKINNON,
Speaker of the House of Representatives.
CARL L. NIPPERT,
President of the Senate.

Passed April 29, 1902.

CHIEF INSPECTOR OF WORKSHOPS AND FACTORIES.

O. L. 95 v. 338.

Be it enacted by the General Assembly of the State of Ohio

SECTION 1. That section 3 of section 2573a of the Revised Statutes of Ohio be amended so as to read as follows:

Sec. 2573a. Section 3. The chief inspector and district inspectors shall give their whole time and attention to the duties of their offices respectively; they shall have the power of notary, to administer oaths and to take affidavits in matters connected with the enforcement of the provisions of all laws coming under the jurisdiction of the department of the inspection of workshops, factories and public buildings. It shall be their duty to visit all shops and factories in their respective districts as often as possible, to see that all the provisions and requirements of this act are strictly observed and carried out; they shall carefully inspect the sanitary condition of the same, and it shall be their duty to examine the system of sewerage in connection with said shops and factories, the situations and conditions of water-closets or urinals in and about such shops and factories and also the system of heating, lighting and ventilating all rooms in such shops and factories where persons are employed at daily labor; also as to the means of exit from all such places in case of fire or other disaster; and also all belting, shafting, gearing, elevators, drums and machinery of every kind and description in and about such shops and factories, and see that the same are not located so as to be dangerous to employes when engaged in their ordinary duties, and that the same so far as practicable, are securely guarded, and that every vat, pan or structure filled with molten metal or hot liquid shall be surrounded with proper safe-guards for preventing accident or injury to those employed at or near them; and that all such are in proper sanitary condition, and are adequately provided with means of escape in case of fire or other disaster.

SECTION 2. Said section 3 of section 2573a of the Revised Statutes of Ohio be and the same is hereby repealed and this act shall take effect and be in force from and after its passage.

W. S. McKINNON,

Speaker of the House of Representatives

F. B. ARCHER,

President of the Senate.

Passed May 2, 1902.

UNLAWFUL TO RUN PASSENGER TRAIN WITH LESS THAN
FULL TRAIN CREW.

O. L. 95 v. 343.

Be it enacted by the General Assembly of the State of Ohio

SECTION 1. That it shall be unlawful for any railroad company doing business in the state of Ohio, to run over its road, or part of its road, outside of the yard limits, any passenger train with five cars or less, carrying passengers, with less than a full passenger crew, consisting of one engineer, one fireman, one conductor and one brakeman; for more than five cars, two brakemen; and on trains of more than two cars the said brakemen shall not be required to perform the duties of the baggage-master or express agent while on the road. Provided that nothing in this section shall apply to trains picking up a car or cars between terminals in this state, or to trains propelled by electricity.

SECTION 2. That any superintendent, or trainmaster, or their assistants, or other employe of any railroad company doing business in the state of Ohio, who shall send out on the road, or cause to be sent out on the road, outside of yard limits, any passenger train, whose crew consists of a less train crew than that stated in section one of this act, shall be guilty of a misdemeanor, and on conviction before any police judge, mayor or justice of the peace having jurisdiction, shall be fined not less than twenty-five dollars for each offense.

SECTION 3. It shall be the duty of the commissioner of railroads and telegraphs to have this law enforced.

SECTION 4. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,

Speaker of the House of Representatives.

F. B. ARCHER,

President of the Senate.

Passed May 2, 1902.

TO REGULATE PRACTICE OF HORSESHOEING.

O. L. 95 v 450.

Be it enacted by the General Assembly of the State of Ohio

SECTION 1. That it shall be unlawful for any person to be engaged in or working at the business of a horseshoer exclusively in this state without having first received a license to do so, as hereinafter provided.

SECTION 2. There shall be a state board of examiners consisting of four practicing horseshoers and one veterinary surgeon, two of said horseshoers shall be master horseshoers and two shall be journeymen

horseshoers, and such veterinary surgeon shall not be engaged in the practice of horseshoeing during his term of service in said board; and should either of said journeymen horseshoers become a master horseshoer, or either of said master horseshoers become a journeyman horseshoer during his said term of office, he shall thereupon cease to be a member of said board, and his place shall thereupon become vacant. All vacancies occurring as aforesaid, or by death, resignation, or in any other manner, shall be filled in the same manner as provided for the original appointment. The members of said board shall be appointed by the governor of the state and shall hold office for the term of five years, and until their successors shall be duly appointed and qualified, except that the terms of the members of said board first appointed hereunder shall be one, two, three four and five years respectively.

SECTION 3. Said board shall organize by choosing one of its members as president, one as secretary, and one as treasurer thereof, who shall give bond in such sum as the board may determine, and said board shall meet at least three times a year and as much oftener and at such times and places as it may deem necessary. The board shall keep a complete record of all its proceedings; and a copy from its records certified by the secretary shall be competent evidence in all courts. A majority of said board shall constitute a quorum, and the proceedings thereof shall at all time be open to public inspection. A special meeting shall be called upon the written request of two members of said board, one being a master horseshoer and the other a journeyman horseshoer, signed by the president and secretary of the said board.

SECTION 4. It shall be the duty of every person who is now exclusively engaged in the business of horseshoeing in the state of Ohio to file a written application stating his or her name and residence with said board of examiners within six months after the passage of this act. Upon receipt of such application it shall be the duty of said board to investigate the facts stated therein, and if said board be satisfied that the facts so stated are true, it shall be the duty of the said board to record the facts stated in the application in a register kept for that purpose; and every person who shall be so registered by the said board as a horseshoer may continue practicing such vocation without incurring the penalties herein provided for, and shall be entitled to be licensed for one year in accordance with the provisions of this act.

SECTION 5. No person whose name is not registered upon the books of said board within the time prescribed in the preceding section shall be permitted to engage in the business of horseshoeing within this state until such person shall have been duly examined by said board, and regularly licensed in accordance with the provisions of this act.

SECTION 6. The necessary qualifications for all persons not registered in accordance with the preceding section, within six months after the passage of this act to engage in the exclusive business of horseshoeing,

in this state, shall be that the applicant has served a three years' apprenticeship or worked for four years at the business of horseshoeing exclusively and shall pass an examination before the said board of examiners. Said examination shall test the knowledge of the applicant on physiology and workmanship. The examination on physiology shall consist in naming the bones of the hoof and leg of a horse from the shoulder down; also the hind leg, from the hip down, and in pointing out the various divisions of the hoof and leg, and naming them; also the articulation, ligaments, tendons, and muscles attached to the bones; also the circulatory apparatus veins and arteries, of the hoof and leg and the nerve supply to the same. The examination on workmanship shall include a statement of the causes of the different defects of the foot, and their remedy; also the competency of the applicant to shoe a horse completely, viz: to make the four shoes and to heel and toe the shoes; to dress the hoof, fit the shoes, and to properly nail them on.

SECTION 7. All persons who shall so desire may appear before said board at any of its meetings and be examined with reference to their knowledge of the anatomy of the horse's foot and the mechanical skill necessary in shoeing the same; and if, upon such examination, any such person shall prove himself competent to the satisfaction of said board, said board shall issue to such person a license to practice for one year in this state as a horseshoer, and after the expiration of such year, and from year to year thereafter, any person so licensed, or licensed in accordance with section four (4) of this act, shall be relicensed without examination upon application to said board.

SECTION 8. The secretary of said board shall issue a temporary license on the recommendation of two members of said board, one of whom shall be a master and the other a journeyman, to any applicant upon the presentation by such applicant of the evidence of the necessary qualifications to practice as horseshoer, and said board may provide such method of temporary examination as it may deem wise, and such temporary license shall remain in force until the next meeting of said board occurring after the date of such temporary license, and no longer. All licenses issued under this act shall be signed by the secretary and countersigned by the president of said board.

SECTION 9. Any person who shall violate this act by engaging in horseshoeing contrary to the provisions hereof shall be guilty of a misdemeanor and shall be liable to prosecution before any court of competent jurisdiction, and, upon conviction, shall be fined not less than twenty-five dollars (\$25.00) nor more than two hundred dollars (\$200.00) for each and every offense. All fines recovered under this act shall be paid into the common school fund of the county in which said conviction takes place. It shall be the duty of the said board to secure the prosecution of all persons violating the provisions of this act.

SECTION 10. In order to carry out the provisions of this act, and to provide a fund for the maintenance of the said board of examiners, each person, applying to or appearing before said board for examination for license to practice as a horseshoer shall pay into the treasury of said board a fee of five dollars (\$5.00), and for registration and license without examination within six months from the passage of this act, in accordance with the provisions of section four (4), one dollar (\$1.00), and for each yearly renewal of a license fifty cents (\$.50); and out of the funds coming into the possession of the said board from fees so charged, the members of said board shall receive as compensation the sum of five dollars (\$5.00) per diem for each and every day they are necessarily engaged in the discharge of the duties of their office, and all necessary expenses incurred by said board, but not part of the salary of the said board or other expense shall be paid out of the state treasury. The said secretary of this board to receive the same per diem as the other members when in actual service, and in addition thereto, an annual salary not to exceed two hundred and fifty dollars (\$250.00) per year; said sum to be determined by a majority of said board. All moneys received in excess of said per diem allowance and other expenses above provided for, shall be held by the treasurer of said board, and shall not be paid out, used or expended by him except in accordance with a resolution duly passed by said board, and said board shall make an annual report of its proceedings to the governor by the 15th of December of each year showing the names of all horseshoers licensed, their place of business and the moneys received and disbursed by them pursuant to this act. All moneys over five hundred dollars (\$500.00) in the hands of the treasurer of the board on making his annual report to the governor, shall be turned over into the state treasury to the credit of the common school fund.

SECTION 11. No person shall present himself for examination as above provided as an applicant for a license until he shall have served a three years' apprenticeship at horseshoeing, nor unless he has attended a course of lectures devoted to the anatomy of horse's feet for one school year in some institution of learning, provided, however, if no institution affording such instruction shall have been convenient to the applicant's place of residence, the board may, upon finding that the applicant has by other means acquired a satisfactory knowledge of such subject, dispense with said qualification. Applicants who are not found qualified by said board may present themselves again for examination after the expiration of six months.

SECTION 12. It shall be the duty of the secretary of said board to notify all practicing horseshoers in the state after said board has been appointed by the provisions of this act within thirty (30) days after said board shall have been appointed; provided that the failure of said secretary to so notify any horseshoer, or the failure of any horseshoer to receive

said notice, shall not be a defense to any prosecution begun in accordance with the provisions of this act.

SECTION 13. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,
Speaker of the House of Representatives.
F. B. ARCHER,
President of the Senate.

Passed May 9, 1902.

UNION LABEL.

O. L. 95 v. 454.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That section 4364-53 of the Revised Statutes of Ohio be further supplemented by the enactment of section 4364-53c to read as follows:

Sec. 4364-53c. Every such association or union adopting or using a label, trade mark, term, design, device or form of advertisement, as aforesaid, may proceed by suit to enjoin every unauthorized use, display, or sale of the genuine label, trade mark, term, design, device or form of advertisement, and all courts of competent jurisdiction shall grant injunctions to restrain such unauthorized use, display or sale, and may award the complainant in any such suit damages resulting from such unauthorized use, display or sale as may be by the said court deemed just and reasonable, and shall require defendants to pay to such association or union, all profits derived from such unauthorized use, display or sale, and such courts shall also order that all such labels, trade marks, terms, designs, devices or forms of advertisement, in possession or under the control of any defendants not authorized to have same, be delivered to any officer of the court or to the complainant to be destroyed.

SECTION 2. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,
Speaker of the House of Representatives.
F. B. ARCHER,
President of the Senate.

Passed May 9, 1902.

UNLAWFUL TO RUN FREIGHT TRAIN WITH LESS THAN FULL TRAIN CREW.

O. L. 95 v. 522.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That it shall be unlawful for any railroad company in the state of Ohio, that runs more than four freight trains in every twenty-four hours, to run over their road, or any part thereof, outside of yard limits, any through freight train with less than a full train crew, consisting of five persons; one engineer, one fireman, one conductor, and two brakemen except that a light engine without cars shall have the following crew: One engineer, one fireman, and one conductor or flagman when running a distance of more than twenty-five miles from starting point.

SECTION 2. That any superintendent or his assistants or other officer, or employe of any railroad company doing business in the state of Ohio, who shall send out on the road, or cause to be sent out on any road, that runs more than four freight trains in twenty-four hours, any through freight train whose crew consists of less than those named in section one of this act, shall be guilty of a misdemeanor, and shall be fined not less than twenty-five dollars for each offense, the probate courts of the several counties of this state shall have final jurisdiction of offenses under this act.

SECTION 3. It shall be the duty of the commissioners of railroads and telegraphs to enforce this act.

SECTION 4. That the act entitled "An act to better protect the lives of railway employes and the traveling public," as passed May 2d, 1902, be and the same is hereby repealed.

SECTION 5. This act shall take effect and be in force from and after its passage.

W. S. McKINNON,

Speaker of the House of Representatives.

F. B. ARCHER,

President of the Senate.

Passed May 10, 1902.

COMPULSORY EDUCATION, CHILDREN EMPLOYED UNDER FOURTEEN YEARS OF AGE, ETC.

O. L. 95 v. 615.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That sections 4022-1 to 4022-14 inclusive of the Revised Statutes of Ohio be amended so as to read as follows:

Sec. 4022-1. All parents, guardians and other persons who have care of children, shall instruct them, or cause them to be instructed in reading,

spelling, writing, English grammar, geography and arithmetic. Every parent, guardian or other person having charge of any child between the ages of eight and fourteen years shall send such child to a public, private or parochial school, for the full time that the school attended is in session, which shall in no case be for less than twenty-four weeks, and said attendance shall begin within the first week of the school term, unless the child is excused from such attendance by the superintendent of the public schools, in city or other districts having such superintendent, or by the clerk of the board of education in village, special and township districts not having such superintendent, or by the principal of the private or parochial school, upon satisfactory showing, either that the bodily or mental condition of the child does not permit of its attendance at school, or that the child is being instructed at home by a person qualified, in the opinion of the superintendent of schools in city or other districts having such superintendent, or the clerk of the board of education in special, village and township districts not having such superintendent, to teach the branches named in this section. In case such superintendent, principal or clerk refuse to excuse a child from attendance at school, an appeal may be taken from such decision to the probate judge of the county, upon the giving of a bond, within ten days after such refusal, to the approval of said judge, to pay all the cost of the appeal, and the decision of the probate judge in the matter shall be final. All children between the ages of fourteen and sixteen years, not engaged in some regular employment, shall attend school for the full term the schools of the district in which they reside are in session during the school year, unless excused for [the] reasons above named. Any parent, guardian, or other person, having care of a child between the ages of eight and fourteen years, who shall, in violation of the provisions of this section fail to place such child in school at the commencement of the annual school term within the time prescribed in this section, shall upon conviction, be fined not less than five dollars nor more than twenty dollars. And upon the failure or refusal of any such parent, guardian, or other person to pay said fine, then said parent, guardian, or other person shall be imprisoned in the county jail not less than ten days nor more than thirty days.

Sec. 4022-2. No child under fourteen years of age shall be employed or be in the employment of any person, company or corporation, during the school term and while the public schools are in session, unless such child shall present to such person, company or corporation an age and schooling certificate herein provided for. An age and schooling certificate shall be approved only by the superintendent of schools, or by a person authorized by him, in city or other districts having such superintendent, or by the clerk of the board of education in village, special and township districts not having such superintendent upon a satisfactory proof of the age of such minor and that he has successfully completed the studies enumerated in

section 4022-1 of the Revised Statutes of Ohio; or if between the ages of fourteen and sixteen years, a knowledge of his or her ability to read and write legibly the English language. The age and schooling certificate shall be formulated by the state commissioner of common schools and the same furnished, in blank, by the clerk of the board of education. Every person, company or corporation employing any child under sixteen years of age, shall exact the age and schooling certificate prescribed in this section, as a condition of employment and shall keep the same on file, and shall upon request of the truant officer hereinafter provided for, permit him to examine such age and schooling certificate. Any person, company or corporation, employing any minor contrary to the provisions of this section shall be fined not less than twenty-five nor more than fifty dollars.

Sec. 4022-3. All minors over the age of fourteen and under the age of sixteen years, who cannot read and write the English language shall be required to attend school as provided in section 4022-1 of the Revised Statutes of Ohio and all the provisions of said section shall apply to said minors; provided, that such attendance shall not be required of such minors after they have secured a certificate from the superintendent of schools, in districts having superintendents or the clerk of the board of education in districts not having superintendents, that they can read and write the English language. No person, company or corporation shall employ any such minor during the time schools are in session, or having such minor in their employ shall immediately cease such employment, upon notice from the truant officer who is hereinafter provided for. Every person, company or corporation violating the provisions of this section shall be fined not less than twenty-five nor more than fifty dollars.

Sec. 4022-4. Every child between the ages of eight and fourteen years, and every child between the ages of fourteen and sixteen years unable to read and write the English language, or not engaged in some regular employment, who is an habitual truant from school, or who absents itself habitually from school, or who, while in attendance at any public, private or parochial school, is incorrigible, vicious or immoral in conduct, or who habitually wanders about the streets and public places during school hours having no business or lawful occupation, shall be deemed a juvenile disorderly person, and be subject to the provisions of this act.

Sec. 4022-5. To aid in the enforcement of this act, truant officers shall be appointed and employed as follows: In city districts the board of education shall appoint and employ one or more truant officers; in special, village and township districts the board of education shall appoint a constable or other person as truant officer. The compensation of the truant officer shall be fixed and paid by the board appointing him. The truant officer shall be vested with police

powers, the authority to serve warrants, and shall have authority to enter workshops, factories, stores and all other places where children may be employed, and do whatever may be necessary, in the way of investigation or otherwise, to enforce this act; he is also authorized to take into custody the person of any youth between eight and fourteen years of age, or between fourteen and sixteen years of age when not regularly employed or when unable to read and write the English language, who is not attending school, and shall conduct said youth to the school he has been attending, or which he should rightfully attend. The truant officer shall institute proceedings against any officer, parent, guardian, person or corporation violating any provisions of this act, and shall otherwise discharge the duties described in this act, and perform such other services as the superintendent of schools or the board of education may deem necessary to preserve the morals and secure the good conduct of school children, and to enforce this act. The truant officer shall keep a record of his transactions for the inspection and information of the superintendent of the schools and the board of education; and he shall make daily reports to the superintendent of schools during the school term in districts having superintendents, and to the clerk of the board of education in districts not having superintendents, as often as required by him. Suitable blanks for the use of the truant officer shall be provided by the clerk of the board of education.

Sec. 4022-6. It shall be the duty of all principals and teachers of all schools, public, private and parochial, to report to the clerk of the board of education of the city, special, village or township district in which the schools are situated, the names, ages and residences of all pupils in attendance at their schools, together with such other facts as said clerk may require, in order to facilitate the carrying out of the provisions of this act, and the clerk shall furnish blanks for such purpose, and such report shall be made during the last week of each month from September to June inclusive of each year. It shall be the further duty of such principals and teachers to report to the truant officer, the superintendent of public schools, or the clerk of the board of education, all cases of truancy or incorrigibility in their respective schools as soon after these offenses have been committed as practicable.

Sec. 4022-7. On the request of the superintendent of schools or the board of education, or when it otherwise comes to his notice, the truant officer shall examine into any case of truancy within his district, and warn the truant and his parents, guardian or other person in charge, in writing, of the final consequences of truancy if persisted in. When any child between the ages of eight and fourteen years, or any child between the ages of fourteen and sixteen years who cannot read and write the English language or who is not regularly

employed, is not attending school, in violation of the provisions of this act, the truant officer shall notify the parent, guardian or other person in charge of such child, of the fact, and require such parent, guardian or other person in charge, to cause the child to attend some recognized school within two days from the date of the notice; and it shall be the duty of the parent, guardian or other person in charge of the child, so to cause its attendance at some recognized school. Upon failure to do so, the truant officer shall make complaint against the parent, guardian or other person in charge of the child, in any court of competent jurisdiction in the city, special, village or township district in which the offense occurs, for such failure, and upon conviction, the parent, guardian or other person in charge, shall be fined not less than five dollars nor more than twenty dollars, or the court may in its discretion, require a person so convicted to give a bond in the penal sum of one hundred dollars, with sureties to the approval of the court, conditioned that he or she will cause the child under his or her charge to attend some recognized school within two days, thereafter and to remain at such school during the term prescribed by law; and upon the failure or refusal of any such parent, guardian or other person to pay said fine and costs or furnish said bond according to the order of the court, then said parent, guardian or other person shall be imprisoned in the county jail not less than ten days nor more than thirty days.

Sec. 4022-8. If the parent, guardian or other person in charge of any child shall, upon the complaint under the last section for a failure to cause the child to attend a recognized school, prove inability to do so, then he or she shall be discharged, and thereupon the truant officer shall make complaint that the child is a juvenile disorderly person within the meaning of section 4022-4 of the Revised Statutes of Ohio. If such complaint be made before any mayor, justice of the peace, or police judge, it shall be certified by such magistrate to the probate judge. The probate judge shall hear such complaint, and if he determine that the child is a juvenile disorderly person within the meaning of section 4022-4 of the Revised Statutes of Ohio he shall commit the child if under ten years of age, and eligible for admission thereto, to a children's home, or if not eligible, then to a house of refuge if there be one in the county or to the boys' industrial school or the girls' industrial home, or to some other juvenile reformatory. No child over ten years of age shall be committed to a county children's home, and any child committed to a children's home, may on request of the trustees of such home and it being shown that it is vicious and incorrigible, be transferred by the probate judge to the boys' industrial school or the girls' industrial home. A child committed to any juvenile reformatory under this section, shall not be detained there beyond the age of sixteen years and may be dis-

charged sooner by the trustees under the restrictions applicable to other inmates. Any order of commitment to a juvenile reformatory may be suspended, in the discretion of the probate judge, for such time as the child may regularly attend school and properly conduct itself. The expense incurred in the transportation of a child to a juvenile reformatory and the costs in the case in which the order of commitment is made, or the child discharged, or in which judgment is suspended, shall be paid by the county where the offense was committed, after the manner provided in section 759 of the Revised Statutes of Ohio. Provided, further, that if for any cause the parent, guardian or other person in charge of any juvenile disorderly person as defined in section 4022-4 of the Revised Statutes of Ohio shall fail to cause such juvenile disorderly person to attend school, then complaint against such juvenile disorderly person shall be made, heard and determined in like manner as provided in case the parent proves inability to cause such juvenile disorderly person to attend school.

Sec. 4022-9. When any truant officer is satisfied that any child, compelled to attend school by the provisions of this act, is unable to attend school because absolutely required to work, at home or elsewhere, in order to support itself or help support or care for others legally entitled to its services, who are unable to support or care for themselves, the truant officer shall report the case to the authorities charged with the relief of the poor, and it shall be the duty of said officers to afford such relief as will enable the child to attend school the time each year required under this act. Such child shall not be considered or declared a pauper by reason of the acceptance of the relief herein provided for. In case the child, or its parents or guardian, refuse or neglect to take advantage of the provisions thus made for its instruction, such child may be committed to a children's home or a juvenile reformatory, as provided for in section 4022-8 of the Revised Statutes of Ohio. In all cases where relief is necessary it shall be the duty of the board of education to furnish text books free of charge and said board may furnish any further relief it may deem necessary, the expenses incident to furnishing said books and relief to be paid from the contingent funds of the school district.

Sec. 4022-10. The provisions of this act shall apply to children entitled under existing statutes, to attend school at the institution for the deaf and dumb or the institution for the blind, so far as the same are properly enforceable. Truant officers shall, within sixty days after the passage of this act, and annually between the first day of July and the first day of August, report to the probate judge of their respective counties the names, ages and residences of all such children between the ages of eight and eighteen years, with the names and postoffice address of their parents, guardians or the persons in charge of them; also a statement whether the parents, guardians or person

in charge of each child is able to educate and is educating the child, or whether the interests of the child will be promoted by sending it to one of the state institutions mentioned. Upon information thus or otherwise obtained, the probate judge may fix a time when he will hear the question whether any such child shall be required to be sent for instruction to one of the state institutions mentioned, and he shall thereupon issue a warrant to the proper truant officer or some other suitable person, to bring the child before such judge at his office at the time fixed for the hearing; and shall also issue an order on the parents, guardian or person in charge of the child to appear before him at such hearing, a copy of which order, in writing, shall be served personally on the proper person by the truant officer or other person ordered to bring the child before the judge. If, on the hearing, the probate judge is satisfied that the child is not being properly educated at home, and will be benefited by attendance at one of the state institutions mentioned, and is a suitable person to receive instruction therein, he may send or commit such child to such institution. The cost of such hearing, and the transportation of the child to such institution shall be paid by the county after the manner provided, where a child is committed to a state reformatory under section 4022-8 of the Revised Statutes of Ohio; provided nothing in this section contained shall be construed to require the trustees of either of the state institutions mentioned, to receive any child not a suitable subject to be received and instructed therein, under the laws, rules and regulations governing such institutions.

Sec. 4022-11. Any officer, principal, teacher or other person mentioned in this act, neglecting to perform any duty imposed upon him by this act, shall be fined not less than twenty-five dollars nor more than fifty dollars for each offense. Any officer or agent of any corporation violating any provision of this act, who participates or acquiesces in or is cognizant of such violation, shall be fined not less than twenty-five dollars nor more than fifty dollars. Any person who violates any provision of this act for which a penalty is not elsewhere in this act provided, shall be fined not more than fifty dollars. Mayors, justices of the peace, police judges, and probate judges shall have jurisdiction to try the offenses described in this act, and their judgment shall be final. When complaint is made, information filed, or indictment found against any corporation for violating this act, summons shall be served, appearance made, or plea entered, as provided in section 7231, Revised Statutes of Ohio, except that in complaints before magistrates, service shall be made by the constable. In all other cases process shall be served, and proceedings had, as in cases of misdemeanor. In every case of complaint against a child involving commitment to any children's home or juvenile reformatory, the board of county visitors shall be notified and must attend and

protect the interest of the child on the hearing, as provided in section 633-18 of the Revised Statutes of Ohio; and the order of commitment of the child to a state reformatory must show that the county visitors were so notified and attended the hearing. All fines collected under the provisions of this act shall be paid into the funds of the school district in which the offense was committed. Boards of education are authorized to employ legal counsel to prosecute any case arising under the provisions of this act when it shall deem the same necessary, and the services of such counsel shall be paid for from the contingent fund of the district.

Sec. 4022-12. Every person who, after being once convicted for violating any of the provisions of this act, shall be convicted of again violating any of the provisions of this act, may, in addition to the punishment by way of a fine elsewhere provided for, be imprisoned not less than ten days nor more than thirty days. On complaint, before a mayor, justice of the peace, or police judge of a second violation of this act involving punishment by imprisonment, if a trial by jury be not waived, a jury shall be chosen and the case tried, after the manner provided in section 3718a, of the Revised Statutes of Ohio.

Sec. 4022-13. It is hereby made the duty of every board of education in this state to provide sufficient accommodations in the public schools for all children in their district compelled to attend the public schools under the provisions of this act. Authority to levy the tax and raise the money necessary for such purpose, is hereby given the proper officers charged with such duty under the law.

Sec. 4022-14. No person or officer instituting proceedings under this act shall be required to advance, or give security for costs; and if a defendant is acquitted or discharged, or if convicted and committed to jail in default of payment of fine and costs, the justice, mayor, police judge or probate judge, before whom such case was brought shall certify such costs to the county auditor, who shall examine and, if necessary, correct the account, and issue his warrant to the county treasurer in favor of the respective persons to whom such costs are due for the amount due to each.

SECTION 2. That said original sections 4022-1, 4022-2, 4022-3, 4022-4, 4022-5, 4022-6, 4022-7, 4022-8, 4022-9, 4022-10, 4022-11, 4022-12, 4022-13, 4022-14, 4025, 4027 and 4029 of the Revised Statutes of Ohio, be and the same are hereby repealed, and this act shall take effect and be in force from and after its passage.

W. S. MCKINNON,

Speaker of the House of Representatives.

F. B. ARCHER,

President of the Senate.

Passed May 12, 1902.

INSPECTOR OF AUTOMATIC COUPLERS, ETC.

O. L. 95 v. 658.

Be it enacted by the General Assembly of the State of Ohio:

SECTION 1. That section 3365-23a of the Revised Statutes of Ohio be supplemented by the enactment of supplemental sections with sectional herein provided, to read as follows:

Sec. 3365-23b. An inspector of automatic couplers, air brakes and automatic power brakes on railroad cars, tenders and engines shall be appointed by the commissioner of railroads and telegraphs within thirty days after this act goes into effect, who shall hold office for two years, unless sooner removed for cause, and until his successor is appointed and qualified. At any time a vacancy occurs in the office, the commissioner of railroads and telegraphs shall immediately fill the vacancy by appointment.

No person is eligible to the office who is an officer or employee of a railroad company or owns or is interested, directly or indirectly, in the stocks or bonds of any railroad company, or who has not had at least seven years' experience in the transportation department on some line of railroad of more than thirty miles in length, operated in the state of Ohio.

Sec. 3365-23c. Before entering on his duties, the inspector shall give bond to the state of Ohio in the sum of three thousand dollars, with two or more sureties, or a bond and security company, acceptable to the commissioner of railroads and telegraphs, conditioned for the faithful performance of his duties, and shall also take the usual oath of office, which oath and bond with the approval of the commissioner endorsed thereon, shall be deposited with the secretary of state.

Sec. 3365-23d. Said inspector shall be paid a salary of fifteen hundred dollars per year, and all necessary expenses, not to exceed one thousand dollars in any one year, which shall be paid in the manner now provided by section 250-2 for the salary and expenses of the department of railroads and telegraphs. Provided, that in addition to the fifteen thousand dollars (\$15,000) now authorized by said section for said department of railroads and telegraphs, there shall be assessed yearly in the manner and upon the corporations as provided in said section, the sum of two thousand, five hundred dollars (\$2,500) to pay the salary and expenses provided for in this act. Provided further, that for the purpose of paying the salary and expenses provided for in this act until the assessments herein provided for are available, there is hereby appropriated out of any money in the state treasury to the credit of the general revenue fund and not otherwise appropriated, the sum of three thousand dollars, and that for the purpose of paying the salary and expenses provided for in this act

from the first day of August, nineteen hundred and three to the fifteenth day of February, nineteen hundred and four, there is hereby appropriated the sum of one thousand, six hundred and five dollars, or so much thereof as may be paid into the state treasury pursuant to the provisions of this act.

He shall have his office in the state house in the office of the commissioner of railroads and telegraphs, and shall be under the supervision of said commissioner.

Such inspector shall have the right of passing in the performance of his duties upon all the railroads within the state, and upon all trains, and any part thereof free of charge.

Sec. 3365-23e. It shall be the duty of the inspector to inspect the couplers, air brakes and automatic power brakes found on any road in Ohio, and make weekly reports of his inspection to the commissioner of railroads and telegraphs, reporting all cars, tenders and engines, giving number of same, road on which they are found, and the road owning same, if known, which is found to have a defective coupler or brake, describing the defect. He shall also on discovering a defective coupler or brake, immediately report the same to the superintendent of the road on which it is found and to the agent thereof at the nearest station, describing the defect.

Sec. 3365-23f. Any road whose superintendent or station agent shall receive such notice of a defective coupler or brake shall cause the same to be immediately repaired; and shall be liable in damages to any person injured by reason of such defective coupler or brake, for any injury received after the expiration of twenty-four hours after receiving the notice; and any such company shall be liable in damages by reason of any such defective appliance, for any injury received. But nothing herein shall be construed to diminish the existing legal liability of railroads for injuries to persons or property.

Sec. 3365-23g. Said inspector may, on the discovery of a defective coupler or brake on any car, tender or engine, condemn said car, tender or engine, and order the same out of service until repaired and put in good working order. On receiving from the inspector an order condemning any car, tender or engine, the employes of the road in charge of said car, tender or engine shall put the same out of service at the first freight division terminal.

Sec. 3365-23h. Any railroad which fails to comply with any of the provisions of this act shall forfeit and pay to the state of Ohio, the sum of twenty-five (\$25.00) dollars for each day such defective coupler or brake is kept in use contrary to the provisions hereof, to be collected in a civil suit in any county in the state where service of process can be had on said road. It is hereby made the duty of the attorney general or the prosecuting attorney of any county in which such company has a line of railroad, and such officer shall, on request

from the inspector, immediately commence and prosecute, without unnecessary delay, proceedings to collect said sum, and the sum so collected, less 10 per cent. fees for collecting same, due such officer, shall be paid to the general revenue fund of the state.

Sec. 3365-23i. Any superintendent, conductor or other officer or employe of any road who shall wilfully refuse or neglect to comply with any of the provisions of this act shall be guilty of a misdemeanor, and on conviction thereof fined any sum not less than twenty-five or more than five hundred dollars, and be personally liable for any injuries resulting to any employes therefrom.

SECTION 2. This act shall take effect and be in force from and after its passage.

W. S. MCKINNON,

Speaker of the House of Representatives.

F. B. ARCHER,

President of the Senate.

Passed May 12, 1902.

RECENT DECISIONS OF COURTS AFFECTING LABOR.

THE CITY OF CLEVELAND v. THE CLEMENTS BROS. CONSTRUCTION CO.

(Decided December 2, 1902.)

Unconstitutionality of Eight-Hour Labor Law.

ERROR to the Circuit Court of Cuyahoga County.

This action was originally begun in the common pleas court of Cuyahoga county by The Clements Bros. Construction Co., as plaintiff, v. The City of Cleveland, defendant.

It was alleged by plaintiff in its petition that the city had, on July 31, 1900, entered into a contract with the plaintiff, for the construction of a sewer in Wellington avenue in said city, and promised to pay the plaintiff for the material furnished and work and labor done by it in the construction of said sewer, as specified in the contract; that the chief engineer of said city was directed to and did make an approximate estimate of the work done and materials furnished under said contract, which estimate amounted to \$9,808.72; that said estimate was duly approved by the director of public works and filed with the city auditor; that all of said amount was paid by said city to the plaintiff, except the sum of \$320.00; that said city, without valid reason, and contrary to the terms of the contract, retained said sum, and refused to pay the same to the plaintiff; wherefore, the plaintiff prayed judgment for said sum of \$320.00, with interest thereon from December 15, 1900.

The city's answer to the petition admitted the contract, the estimate, that said estimate was duly approved by the director of public works and filed with the city auditor, the payment of all of the amount of said estimate except \$320.00, the retention by it of that sum, the plaintiff's demand, and its refusal to pay.

It, however, denied that such retention and refusal were contrary to the terms of the contract, and without lawful or valid reason, as alleged in the petition, and averred that it refused to pay the plaintiff said amount by authority of an act passed by the general assembly of the state of Ohio, April 16, 1900, entitled: "An act to provide for limiting the hours of daily service of laborers, workmen and mechanics employed upon public works, or work done for the state of Ohio, or any political subdivision thereof," etc.

Defendant in its answer further averred that in accordance with the provisions of section 2 of said act, a certain stipulation, attached to the answer, and made a part thereof and marked "Exhibit A," was made a part of the contract between the plaintiff and defendant, and that in violation of the stipulation and of the law, the plaintiff required or permitted laborers, workmen and mechanics, to work more than eight hours in one calendar day upon the work mentioned in the contract, and that the work so done was not done by reason of any emergency, or upon any work mentioned in the act and exempted from its operation; that said act and stipulation provided that a penalty of \$10.00 for each day in which any laborer, mechanic or workman labored more than eight hours should be paid by the plaintiff and withheld by the defendant; that the plaintiff did require thirty-two laborers to work more than eight hours on one certain day; that in accordance with the provisions of said act defendant retained \$10.00 per day for each violation of the act, amounting to \$320.00; wherefore it prayed to be dismissed.

To this answer the plaintiff demurred, alleging as grounds of demurrer: 1. That said answer is insufficient in law on its face; 2. That said answer does not state facts sufficient to constitute a defense to plaintiff's cause of action; 3. That the statute referred to in said answer is unconstitutional.

This demurrer was overruled by the court of common pleas, and judgment given for the defendant.

The case was taken to the circuit court on error, which court reversed the judgment of the common pleas for error in overruling said demurrer.

The circuit court sustained the demurrer to the answer, and defendant not desiring to plead further, rendered judgment against the City of Cleveland for the amount prayed for.

This proceeding is prosecuted to reverse the judgment of the circuit court, and to affirm that of the common pleas.

CREW, J. In this case the City of Cleveland, defendant in the court below, for answer to the claim made against it by the plaintiff below, The Clements Bros. Construction Company, pleaded by way of justification, and as its only defense, the provisions of an act of the Ohio legislature, passed April 16, 1900, and entitled: "An act to provide for limiting the hours of daily service of laborers, workmen and mechanics employed upon public works, or of work done for the state of Ohio, or any political subdivision thereof, providing for the insertion of certain stipulations in contracts of public works; imposing penalties for violations of the provisions of this act, and providing for the enforcement thereof." The sufficiency of this answer, as a defense, was challenged by a demurrer filed thereto by plaintiff.

Whether such answer was and is sufficient, and the matter so pleaded defensive, depends entirely upon whether said act of April 16, 1900, is a valid and constitutional enactment. The provisions of this law are as follows:

"Section 1. The services of all laborers, workmen and mechanics employed upon any public works of, or work done for the state of Ohio, or for any political subdivision thereof, whether said work is done by contract or otherwise, shall be, and is hereby limited, and restricted to eight hours in any one calendar day; and it shall be unlawful for any officer of the state, or of any political division thereof, or any person acting for or on behalf thereof, or any contractor, or subcontractor for any part of any public works of, or work done for such state, or political subdivision thereof, or any person, corporation or association whose duty it shall be to employ or to direct and control the services of such laborers, workmen or mechanics, or who has in fact the direction or control of the services of such laborers, workmen or mechanics, to require or permit them, or any of them, to labor more than eight hours in any one calendar day, except in cases of extraordinary emergency, caused by fire, flood or danger to life and property, and except to work upon public, military or naval works or defenses in time of war, and except in cases of employment of labor in agricultural pursuits.

"Section 2. Each and every contract to which the state of Ohio, or any political subdivision thereof, is a party, and every contract made for or on behalf of the said state, or any subdivision thereof, which contract may involve the employment of laborers, workmen or mechanics, shall contain a stipulation that no laborer, workman or mechanic in the employ of the contractor, or any subcontractor doing or contracting to do any part of the work contemplated by the contract, shall be required or permitted to work more than eight hours in any one calendar day, except in cases of extraordinary emergency, caused by fire, flood, or danger to life or property, and except to work upon public, military or naval work, or defenses in time of war, and except in cases of employment of labor in agricultural pursuits, and each and every (such) contract shall stipulate a penalty for such violation of the stipulation directed by this act, of ten dollars per each laborer, workman or mechanic, for each and every calendar day in which he shall labor more than eight hours, and the inspector or officer, or person whose duty it shall be to see that the provisions of any such contract are complied with, shall report to the proper officer of such state, or political subdivision thereof, all violations of the stipulation in this act provided for in each and every subcontract, and the amount of the penalties stipulated in any such contract shall be withheld by the officer or person whose duty it shall be to pay the moneys due under such contract,

whether the violations for which such penalties were imposed by contractor, his agents or employes, or any subcontractor, his agents or employes, no person on behalf of the state of Ohio, or any political subdivision thereof shall rebate or permit any penalty imposed under such (any) stipulation herein provided for, unless upon a finding which he shall make up and certify that such penalty was imposed by reason of an error of fact. Nothing in this act shall be construed to authorize the collection of said penalty from the state, or any political subdivision thereof.

"Section 3. Any officer of the state of Ohio, or any political subdivision thereof, or any person acting for or on behalf thereof, who shall violate the provision of this act, shall be deemed guilty of a misdemeanor, and shall be subject to a fine or imprisonment or both, at the discretion of the court, the fine not to exceed five hundred dollars, nor the imprisonment more than one year.

"Section 4. All acts or parts of acts inconsistent with this act, in so far as they are inconsistent, are hereby repealed.

"Section 5. This act shall take effect and be in force from and after its passage.

The court of common pleas held this law to be constitutional, and held that the answer of defendant, the city of Cleveland, constituted a good defense to the plaintiff's cause of action, and overruled the plaintiff's demurrer thereto and gave judgment for said city of Cleveland. This ruling and judgment of the court of common pleas was reversed by the circuit court of Cuyahoga county, on the sole ground that the court of common pleas erred in overruling the demurrer of plaintiff to said answer. And said circuit court proceeding to render the judgment that the court of commonpleas should have rendered, held said law to be unconstitutional and sustained said demurrer to said answer. And said defendant not desiring to plead further, said circuit court rendered judgment in favor of plaintiff, The Clements Bros. Construction Co., and against said city of Cleveland for the full amount claimed by plaintiff. If the law under consideration is constitutional, then this judgment of the circuit court is erroneous and should, in this proceeding, be reversed; but if, as found by the circuit court, such law is unconstitutional, then the judgment of said circuit court was right and should be affirmed. Whether such law is constitutional is the sole question presented by the record in this case.

While the particular statute here in question has not, prior to this time, been before this Court for review, nor has the precise question here presented heretofore been decided by this Court, yet we are not without pertinent authority and direct adjudication by the courts of last resort in other states, upon the question here involved, and this Court has more than once been called upon to consider and determine the constitutionality of statutes which were somewhat analogous to the statute under consideration,

in that they had for their purpose, or did in effect, limit and restrict the right of contract between employer and employe; and in every instance such statutes have been declared and held by this Court to be unconstitutional.

Counsel for plaintiff in error in this case apparently do not question the correctness of these decisions, and in argument they concede that it is beyond the power of the legislature to control by legislative enactment the contracts which shall be made between employer and employe when those persons are individuals or corporate persons and the subject matter of their contracts is not necessary to be regulated for police reasons. And such clearly is the established law of this and other states. But, they contend that the statute here in question is not an attempt by the legislature of Ohio to restrict or interfere with the right of liberty to contract, but is only in the nature of a direction by a principal to his agent, and therefore within the legislative authority, and matter of concern to the principal and agent only. They argue that the several municipal governments of the state are not in themselves independent and sovereign, but are subdivisions of the general government, created by it with enumerated powers, and with no powers except such as may be fairly drawn from their charters or creation. Hence, they contend that being mere subdivisions of the state, and deriving their powers from the state, such municipalities may be lawfully directed by the legislative will as to what contracts they may make and what provisions and stipulations their contracts shall contain; and that in the contract here in question, the city of Cleveland being a mere agency and instrument of the state, the state had the right by and through its legislature, to direct and require the city, as its agent and representative, to insert in this contract the stipulations and provisions therein found. The fallacy of this contention lies in the assumption that the compulsory authority of the legislature over municipal corporations is so absolute and arbitrary that it may dictate the specific terms upon which such municipality shall contract, and may prescribe what stipulations and conditions its contracts shall contain, although such contracts may, as in this case, relate only to matters of purely local improvement. This is a misapprehension of the legislative authority, for no such right or power has been delegated to, or is possessed by, the general assembly.

As said in 4 Hill (N. Y.), 114: "Under our system of government the legislature is not supreme. It is only one of the organs of that absolute sovereignty which resides in the whole body of the people. Like other departments of the government it can only exercise such powers as have been delegated to it, and when it steps beyond that boundary its acts, like those of the most humble magistrate in the state who transcends his jurisdiction, are utterly void. Therefore, as the security of life, liberty and property lay at the foundation of the social compact, to say that the grant of legislative power includes the right to attack private property would be equivalent to saying that the people had delegated to their

servants the power of defeating one of the great ends for which government was established. This end being the protection of the absolute right to life, liberty and property."

Again counsel for plaintiff in error are mistaken in the assumption that the statute here under consideration is, and should be regarded as, a mere direction by the sovereign authority, the state of Ohio, to one of its agents, the City of Cleveland, that contracts made by said city in certain cases, and for a certain character of work, are to be made in a particular way. In the case of *People ex rel. Rodgers v. Coler*, 166 N. Y., 1, a statute distinguishable in no essential feature from the statute here under consideration was before the Court of Appeals of that state for review, its constitutionality having been challenged. O'Brien, judge in that case, in discussing the proposition we are now considering, speaking for the majority of the court, says: "Nor is it entirely true that the statute is a mere direction by the sovereign authority to one of its own agencies to contract in certain cases in a particular way. It is all that no doubt and very much more since it affects personal and municipal rights in many directions that are of vastly more importance than the mere form of a contract to perform municipal work. It is true enough that a city is an agency of the state to discharge some of the functions of government, but these terms do not adequately describe its true relation to the state or the people. A municipal officer directing a local improvement is not the agent of the state. He is the agent of the city and the city alone is responsible for his negligence or misconduct. If the authorities in charge of the streets of a city are agents of the state, the city ought not to be held liable for their acts or omissions. * * * The city is a corporation possessing all the powers of corporations generally and cannot be deprived of its property without its consent or due process of law any more than a private corporation can, and since its revenues must be used for municipal purposes, it is difficult to see how the legislature can make contracts for it which involve the expenditure of these revenues without its consent." And further in the same opinion it is said: "The right which is conceded to every private individual and every private corporation in the state to make their own contracts and their own bargains is, (by this statute) denied to cities and to contractors for city work; and moreover if the latter attempt to assert such right the money earned on the contract is declared forfeited to the city without the intervention of any legal process or judicial decree. * * *

The contractor is a private individual engaged in private business. When he enters into a fair and honest contract for some municipal improvement, that contract is property entitled to the same protection as any other property. It is not competent for the legislature to deprive him of the benefit of this contract by imposing burdensome conditions with respect to the means of performance, or to regulate the rate of wages which he shall pay to his workmen or to withhold the contract price when such

conditions are not complied with in the judgment of the city. When he is not left free to select his own workmen upon such terms as he and they can fairly agree upon, he is deprived of that liberty of action and right to accumulate property embraced within the guaranties of the constitution, since his right to the free use of all his faculties in the pursuit of an honest vocation is so far abridged. * * * The exercise of such a power is inconsistent with the principles of civil liberty, the preservation and enforcement of which was the main purpose in view when the constitution was enacted. If the legislature has power to deprive cities and their contractors of the right to agree with their workmen upon rates of compensation, (or the number of hours that shall constitute a day's labor), why has it not the same power with respect to all private persons and private corporations? That question can be answered in the language which this court used when a case with features somewhat similar was under consideration. 'Such legislation may invade one class of rights to-day and another tomorrow and if it can be sanctioned under the constitution, while far removed in time, we will not be far away in practical statesmanship from those ages when governmental prefects supervised the building of houses, the rearing of cattle, the sowing of seed and the reaping of grain, and governmental ordinances regulated the movements and labor of artisans, the rate of wages, the price of food, the diet and clothing of the people and a large range of other affairs long since in all civilized lands regarded as outside of governmental functions.' As suggested by counsel for defendants in error, the statute here under consideration, absolutely ignores the fact that municipal corporations in their property rights, and their power to make contracts for local improvements for the benefit of their own citizens, are entitled to the same immunities and are protected by the same constitutional guarantees which shield the property of individuals or private corporations from legislative aggression. In considering the rights and powers of municipal corporations, in the case of *New Orleans, etc., Ry. v. New Orleans*, 26 La., 481, the Supreme Court of Louisiana says: "A municipal corporation possesses two classes of powers, and two classes of rights, public and private. In all that relates to one class, it is merely the agent of the state, and subject to its control. In the other, it is the agent of the inhabitants of the place; the corporators: maintains the character and relations of individuals, and is not subject to the absolute control of the legislature, its creator."

In the case of *Atkins v. Town of Randolph*, 31 Vt., 237, Judge Barrett announcing the opinion of the Supreme Court of Vermont, states the proposition as follows: "It is true as was urged in argument by the learned counsel for plaintiffs, that in some respects legislatures have power in respect to municipal corporations that they have not in respect to private corporations, or individuals. They may alter or abolish municipal corporations at pleasure, but yet, not so as to defeat the pecuniary rights of individuals as against such corporations, or as depending upon

their existence. The legislature has the same power in respect to private corporations, when that power is reserved in the law creating them. So far as municipal corporation is endowed by law with the power of contracting, and as such, is made capable of acquiring, holding and disposing of property, and subject to the liabilities incident to the exercise of such power and capacity, thus being vested with legal rights as to property in contracts and improvements, and subject to legal liabilities in respect thereof, to be ascertained and enforced by suit in the ordinary judicial forums, with the same principles and by the same means as in the case of a private corporation, such municipal corporation must stand on the same ground of exemptions from legislative control and interference as a private corporation.

As to third persons who seek to enforce pecuniary liabilities against towns arising upon contract, such towns are merely private corporations or individuals, and in this respect they are not affected by the purely municipal public and political features that appertain to their corporate existence in virtue, and in reference to which alone they are subject to the absolute control of legislation."

And to the same effect is the case of the *Board of Park Commrs. v. Common Council of Detroit*, 28 Mich., 228.

This distinction as to the powers delegated to municipal corporations was clearly recognized and commented upon by this Court in the case of *Western College v. Cleveland*, 12 Ohio St., 375. In that case, Judge Gholson, announcing the opinion of the Court, at page 377, says: "It is the duty of the state government to secure to the citizens of the state, the peaceful enjoyment of their property, and its protection from wrongful and violent acts. For the proper discharge of this duty power is delegated in different modes. One of these is the establishment of municipal corporations. Powers and privileges are also conferred upon municipal corporations, to be exercised for the benefit of the individuals of whom such corporations are composed; and in connection with these powers and privileges, duties are sometimes specifically imposed. It is obvious that there is a distinction between those powers delegated to municipal corporations to preserve the peace and protect persons and property, whether to be exercised by legislation or the appointment of proper officers, and those powers and privileges which are to be exercised for the improvement of the territory comprised within the limits of the corporation, and its adaptation to the purposes of residence or business. As to the first, the municipal corporation represents the state, discharging duties incumbent on the state; as to the second, the municipal corporation represents the pecuniary and proprietary interests of individuals. As to the first, responsibility for acts done or omitted is governed by the same rule of responsibility which applied to like delegations of power; as to the second, the rules which govern the responsibility of individuals

are properly applicable." See also *Cincinnati v. Cameron*, 33 Ohio St., 366.

The liberal quotations, in this opinion, from the authorities above cited need no further apology upon our part than to say, that if the principles there announced and the conclusions there reached are correct, and we believe they are and adopt them, that they conclusively refute and answer the contention of plaintiff in error that the statute under consideration in this case does not restrict the right of liberty to contract and is in the nature only of a direction by a principal to its agent.

Again, stripped of its provisions, except so far as they relate to contractors and subcontractors the first section of the statute under consideration reads as follows: "It shall be unlawful for any contractor, or subcontractor for any part of any public works of, or work done for such state, or political subdivision thereof, or any person, corporation or association whose duty it shall be to employ or to direct and control the services of such laborers, workmen or mechanics, or who has in fact, the direction or control of the services of such laborers, workmen or mechanics, to require or permit them, or any of them, to labor more than eight hours in any one calendar day."

Thus it is apparent that this statute, which is peremptory in terms, is more than a mere direction by a principal to an agent, and that its provisions apply not only to officers and agents of the state of Ohio, but that they apply with equal force to all persons who would enter into contracts with the state or any of its political subdivisions, and undertakes to limit and restrict such persons in their right to contract by prohibiting the making of contracts for day's work of more than eight hours. What the terms and stipulations of a contract shall be is matter to be determined by the contracting parties, and the right has not been delegated to, nor is it within the power of the general assembly, by mandatory laws to prescribe the terms and provisions that shall be inserted in contracts that may be made between persons legally competent to contract. Doubtless the legislature might, in the absence of contract between the parties, prescribe the number of hours' labor that should constitute a day's work, but it is not in the power of the legislature, by the enactment of a positive law, to abridge the right of parties to fix by contract the number of hours that shall constitute a day's work, nor to deny effect to the stipulations and agreements of the parties themselves touching such matter, except only as the exercise of such power may be authorized for the common welfare; and the right to so exercise this power of restraint extends only to matters affecting the public welfare or the health, safety and morals of the community. The number of hours' labor that shall be performed in a day is an important factor and constitutes an essential part of every contract of service, and to deny effect to the stipulations or agreements between employer and employe touching the number of hours the employe shall labor each day, is, in effect, either to impair the obligation of

their contract or to deny to them the right to stipulate or contract touching that matter. The latter is the right denied by the statute here in question. It is, we take it, axiomatic, that in service contracts the right to contract necessarily includes the right to fix by agreement the number of hours that shall constitute a day's work for the person employed, but by the terms and provisions of this statute, the parties are not left free to negotiate respecting this matter between themselves, but the number of hours which shall constitute a legal day's work for the laborer employed on work done for the municipality is, by this statute, arbitrarily fixed and determined, and the statute further provides just what stipulations in this respect shall, by the contracting parties, be incorporated in their contract, and enacts that non-compliance with the provisions of said statute shall be deemed a *misdeemeanor* punishable by fine or imprisonment or both at the discretion of the court. The privilege of making and entering into contracts is more than a mere license or liberty. It is a property right. It is an essential incident to the acquisition and protection of property, and is such right as the legislature may not arbitrarily and without sufficient cause either abridge or take away.

In the case of *Palmer & Crawford v. Tingle*, decided by this Court and reported in 55 Ohio St., 423, the second clause of the syllabus is as follows: "Liberty to acquire property by contract, can be restrained by the general assembly only so far as such restraint is for the common welfare and equal protection and benefit of the people, and such restraining statute must be of such a character that a court may see that it is for such general welfare, protection and benefit. The judgment of the general assembly in such cases is not conclusive."

There is one other claim of counsel for plaintiff in error upon which they seem to place some reliance, that should perhaps be briefly noticed, and that is as to the matter of estoppel on the part of defendant in error. Counsel for plaintiff in error say in their brief: "It is plain that the municipality itself cannot complain, for, as has been shown above, it is merely an agency of a higher power, to-wit: the state, and can only contract as it is authorized by that power to do; nor can the contractor be heard to complain, for the city, in pursuance of its granted powers, and under restrictions imposed by the act in question, in effect said to him and all others, when it invited bids for the performance of the work, 'The statute is one of the conditions which must be complied with, and an obligation which must be assumed by the contracting party.'

"The contracting party (The Clements Bros. Construction Co.) was not compelled to bid, it did so voluntarily, with full knowledge, and when awarded the contract executed it voluntarily, knowing all of its provisions, and assumed the obligations and conditions imposed by the statute."

It would, perhaps, be a sufficient answer to this claim of plaintiff in error to say, that the stipulation referred to became a part of the contract

not because of any voluntary agreement between the parties that it should be inserted therein, but because the statute *forcibly* injected it. And that such is the fact we think sufficiently appears from the language of the contract which immediately follows such stipulation. That language is: "The foregoing stipulation is made by reason of and to conform to the requirements of an act of the general assembly of the state of Ohio, 'to provide for limiting the hours of daily service of the laborers, workmen and mechanics employed upon public works, or of work done for the state of Ohio, or for any political subdivision thereof, providing for the insertion of certain stipulations to any contracts of public works' etc., passed April 16, 1900, to the extent that the provisions of said act are applicable in the performance of this contract."

But further upon this proposition, as especially pertinent, we quote again from the opinion of Justice O'Brien in the case of *People ex rel. Rogers*, above cited. He says: "The fact that certain provisions of the labor law were actually incorporated into the contract signed by the contractor, cannot change or add anything to the strength of the position assumed by the city. The relator is not estopped by the agreement when there is no element of estoppel in the case, and the question is with respect to the validity of the statute, and not the construction or effect of the contract in that regard. If the law is valid, it governs the contract and the rights of the parties, whether actually incorporated into writing or not, since all contracts are assumed to be made with a view to existing laws on the subject. If it is not valid, the contractor has not made it so by stipulating in writing to obey it, and prescribing the penalty for his own disobedience, which is the forfeiture of all rights under the agreement. It is not in the power of the legislature to protect an invalid law from judicial scrutiny by providing that it must receive the assent of the parties to every contract to which it relates. * * * Courts in such cases, are not bound by mere forms, but must look at the substance of things, and so viewing this transaction, it would be idle to attempt to deceive ourselves with the idea that the question involved in this appeal arises out of the stipulations of the parties to the contract, or is governed by them, rather than the provisions of a statute. The contract is in the form that we find it, not because the parties so elected to contract, but for the reason that the statute would not permit them to contract in any other way."

As to the further claim of plaintiff in error that "Even if the provisions of the statute were not actually inserted therein, they would be read into the contract as a part of the law of the state," for answer we need only refer to the third paragraph syllabus of *Palmer and Crawford v. Tingle*, 55 Ohio St., 433, which syllabus is as follows: "While a valid statute regulating contracts is, by its own force, read into, and made a part of such contracts, it is otherwise as to invalid statutes."

As bearing more or less directly upon the questions herein considered, in addition to the authorities above cited, the following cases will

be found instructive: *State v. Loomis*, 115 Mo., 307; *Goodcharles v. Wiseman*, 113 Pa. St., 431; *Ex parte Kuback*, 85 Cal., 274; *State v. Goodwill*, 33 W. Va., 170; *Commonwealth v. Perry*, 155 Mass., 117; *Low v. Rees Printing Co.*, 41 Neb., 127; *People v. Gillson*, 109 N. Y., 389; *In re House Bill No. 203*, 21 Colo., 27; *Ib.*, 21 Colo., 29; *State of Ohio v. Lake Erie Iron Co.*, reported in 33 Law Bulletin, page 6, and affirmed by this court, 51 Ohio St., 632; *Marsh et al. v. Poston & Co.*, reported in 35 Law Bulletin, page 327, affirmed by this court in 54 Ohio St., 681. *The Wheeling Bridge and Terminal Co. v. Gilmore*, 4 Circ. Dec., 366; 8 C. C. R., 658.

Our conclusion in this case is, that the statute relied upon and pleaded by plaintiff in error, as a defense to the claim of defendant in error, is unconstitutional, because in conflict with sections 1 and 19 of the bill of rights. And therefore such statute cannot avail the city as a defense to shield it from liability to defendant in error, for the amount due said defendant in error under its contract. The circuit court was right in sustaining the demurrer to the answer and in rendering judgment against the city, and that judgment is therefore

Affirmed.

BURKETT, C. J. SPEAR, DAVIS, SHAUCK and PRICE, JJ., concur.

WELLSTON COAL COMPANY v. SMITH.

65 O. S., 70.

Decided June 25, 1901.

Duty of Mine Boss — Mine Owner's Liability — Miner Delegated with Duties by Boss — Master and Servant.

Error to the Circuit Court of Jackson county.

The coal company is a corporation owning and operating a coal mine, and has in its employ what is known as a bank boss or mine boss, and employed many men to operate its mine, one being Frank Smith, the defendant in error. There is an entry or passage way into the mine, and Mr. Smith was assigned by the mine boss to work in a room of the mine adjoining this entry. About October, 1895, he was employed by said company as a miner, and on November 6, 1896, he claims to have drilled two holes into the face of the coal and charged them with powder, and fired one off, and then returned and fired the fuse of the other, and ran into the entry to a place of about sixty feet from the fuse when a part the roof of the entry fell upon him before this last shot was discharged, and he was severely injured. He sued the coal company for damages. He averred in substance, in his petition, that the roof of the entry became greatly out of repair and dangerous several months before his injury,

by reason of a large heavy piece of slate becoming loose and liable to fall. That the condition of the roof of the entry was well known to the company, its agents and servants who were his superiors, and who were in charge and control of the entry, and that the condition of the entry could have been known to the company, its said agents and servants by the exercise of reasonable care, prudence and caution, and that the condition of the roof of the entry was unknown to him, and could not have been known to him by the exercise of ordinary care, prudence and caution, in time to have prevented his injury, and that he did not have equal means with the company of knowing the unsafe and dangerous condition of the roof of the entry. He further avers that the company negligently and carelessly failed and refused to repair the roof of the entry, and that his injury was directly caused by the negligence of the company in so permitting the said roof to so become and remain out of repair, without warning to him of its dangerous condition, and that he was without fault or negligence in the matter.

The answer admits the corporate character of the company, that it was operating the coal mine, that it employed more than twenty-miners, that Smith was so employed and assigned to a room to work and had to pass through the entry, and was injured in the mine at the date named, and denies all and singular the other allegations of the petition, and then denies some of the allegations specially, but these special denials are not broader than the general denial. The answer further pleads contributory negligence of Smith in this: that "without making a cutting, or 'bearing in' of the coal in his said room, he drilled a hole of the diameter of more than two inches, and the depth of seven feet into the face of the coal, and placed therein a great quantity, to-wit, four pounds or more of blasting powder; tamped it, and after firing the fuse, went a short distance, and not to exceed sixty feet away, and stopped to await the result of the shot, and defendant says that the injury to plaintiff, if any he received, was the direct result of the explosion of said shot which took place immediately before plaintiff's alleged injury and the concussion from which caused said slate to fall upon plaintiff, without any wrong, fault or negligence of this defendant, but solely because and on account of the carelessness, negligence and want of caution of plaintiff in putting in said shot to the depth and in the manner hereinbefore alleged, and using said very great and excessive amount of powder therein, and failing and neglecting to go far enough away and staying within the said short distance from said shot. Defendant further says that if said slate was loose prior to the date of its alleged fall, it had no knowledge thereof, and the same was caused by plaintiff and others, co-servants with him, in theretofore using an excessive amount of powder in shooting said coal from the solid and without making any cutting or 'bearing in,' and thus causing a greater concussion from the shooting of said coal than was necessary, and which could easily be avoided by the use of less powder and the

exercise of more labor by plaintiff and his said co-servants, all of which plaintiff knew and in which he participated."

Judgment of the Common Pleas Court was in favor of the company. The Circuit Court reversed this judgment, thereupon the company filed its petition in error in Supreme Court seeking to reverse the judgment of the Circuit Court and an affirmance of the judgment of the Common Pleas Court. Judge Burket, speaking for the Court, sustained the Circuit Court.

The coal company operated its mine by means of a mine boss who had authority to hire and discharge employees. In the operation of a coal mine such a mine boss stands for and in place of the company, and his acts and omissions in the operation of the mine are the acts and omissions of the corporation. He is not a fellow servant with the miners employed by him. And if he directs one of the miners under his employ to perform some of the duties of the mine boss, such miner while so performing such duties is not the fellow servant of the other miners, but while not so performing the duties of the mine boss he would be such fellow servant. The mine boss cannot delegate his duties to a miner under his employ so as to relieve the company from responsibility for negligence in the discharge of the duties of the mine boss, whether such negligence arises from the acts or omissions of the mine boss, or some miner under his employ, and by him directed to perform the duties of such boss.

The entry in which Mr. Smith was injured was not a room that he was required to keep in a safe condition himself, as was the case in *Coal and Mining Co. v. Clay*, 51 Ohio St., 542; but on the contrary, the entry was a place furnished to the miners by the company, through its mine boss, and the duty devolved upon the mine boss to use ordinary care in making and keeping, the entry, in a reasonably safe condition for the protection of miners passing in and out through and along the same; and this duty could not be shifted by the mine boss to one of his employes so as to relieve the company from liability for the negligence of such employe while in the performance of the duties of the mine boss as to keeping such entry in a safe condition. The principle as to inspectors, as in *Railroad Co. v. Webb*, 12 Ohio St., 475, are not applicable to the relations existing between a mine boss and his employes, because the miners are completely under his control, and their safety depends upon his vigilance and the proper discharge of his duties.

Our statutes on the subject of mining, Section 6871, Revised Statutes, indicate a public policy to the effect that mine owners shall be charged with the duty of making their mines reasonably safe for miners; and miners themselves are also required in certain cases to look out for their own safety, as in propping the roofs of the rooms in which they work, the duty of furnishing the timbers being cast upon the company; but there is no provision requiring the miners to prop or look after the safety of entries; that duty rests therefore on the owners of the mines.

The case of *Troughear v. Coal Co.*, 62 Iowa, 576, is cited by counsel for plaintiff in error to sustain his contention. In that case there was a pit boss who had no authority to hire or discharge employes, that power being vested in the superintendent. The pit boss discovered that the roof of the mine was unsafe, and it was the duty of the road men to put it in proper and safe condition, and two of them undertook to do so, and while so doing one of them was injured by the negligence of the other. The road men were not performing the duties of the pit boss or superintendent, but on the contrary were performing their own duties, and were clearly fellow servants, and of course one could not recover against the company for an injury caused by the negligence of his fellow servant.

Plaintiff in error urges that it was entitled to a peremptory instruction for a verdict in its favor in view of the admission on the trial:

"That at and before the date of the injury to said Smith, defendant had in its employ, at all times, a sufficient number of careful and competent persons whose duty it was to look after the safety of all entries in its mine, including the entry in which plaintiff was injured," and in view of the further fact, as it claims, that there was no statement of any evidence tending to prove knowledge of the defect on the part of the superintendent or mine boss, nor that the defect was open obvious, apparent and dangerous, or of common knowledge among the employes in the mine, and no other or further evidence concerning it than that of Edward Gordon, who says that he did not consider the matter of sufficient importance to call the attention of the mine boss to it.

A sufficient answer to this claim may be found in the fact that the record fails to show that any such instruction was asked by the plaintiff in error or refused by the court. Again assuming that the above admission concedes that the mine boss and the track layer, Edward Gordon, who had the duty enjoined upon him, in addition to his duty as track layer, to inspect and keep in repair the entry in question, were careful and competent persons whose duty it was to look after the safety of said entry, yet it may be that they were negligent in the performance of their said duty of looking after the safety of said entry. The evidence tended to prove that the mine boss was not observed by any one testing the roof of that entry for three months before the accident. It urged that there is no evidence tending to prove that he knew the unsafe condition of the entry, but his want of inspection for three months while blasts of powder in the adjoining room were of frequent, if not daily occurrence, tended to show that he ought to have known its unsafe condition. "Masters are charged with notice, not only of what they know, but also of what they ought to know, that is, of every fact which they would have known had they used ordinary care and diligence in performing their duties." *Sherman and Redfield on Negligence*, Section 206.

Again the evidence tended to show that this Edward Gordon while assisting the mine boss in the performance of his duty of looking after

the safety of the roof of this entry, discovered that it was unsafe, but he did not report it to the boss because he did not consider it very dangerous, and did not think it worth while to tell him. This knowledge so obtained by Edward Gordon while performing the duties of the mine boss is the same as if the knowledge had been obtained by the boss himself and binds the company. There was therefore sufficient testimony of knowledge of the unsafe condition of the roof of the entry, and of negligence in not repairing it, to submit to the jury, and the company was not entitled to a direction for the jury to bring in a verdict in its favor.

Robert Pope was a boss driver, and the mine boss, Thomas Stiff, enjoined upon him in addition to his duty as such driver, the duty of inspecting and keeping in repair the entry in question, thus performing one of the duties of said mine boss. The defendant company offered Mr. Pope as a witness in its behalf, and the following question was asked and answer given.

Q. "What, if any, knowledge at the time did you have that the slate in the roof of the entry at the point where plaintiff was injured was loose, defective or liable to fall?"

A. "I had no knowledge whatever."

On cross examination he was asked the following question by counsel for plaintiff below:

Q. "When, if at any time, while you were working under Thomas Stiff as mine boss, did you inspect, by the use of ordinary means used for that purpose, the entry at the point where plaintiff was injured or elsewhere in said entry?"

Objection being made to this question by counsel for the company, the objection was sustained and an exception taken. The circuit court held this ruling to be error. While we do not regard this as of much importance, we think that the holding of the circuit court was right. The answer would tend to show whether or not Mr. Pope had used sufficient diligence in the performance of the duties of the mine boss.

The court charged the jury as follows:

"I instruct you that the plaintiff in his work had the right to assume that the roof where the slate is alleged to have fallen was in a reasonably safe condition. If the plaintiff, acting upon this assumption, used a greater quantity of powder in shooting the coal than a reasonably prudent miner under the same conditions and circumstances would have used and said charge or shot produced a concussion that in the slightest degree contributed to produce the alleged fall of slate, he cannot recover in this case, because such act would constitute negligence upon his part."

The circuit court held this part of the charge erroneous, by reason of the words "in the slightest degree." This holding of the circuit court was in accordance with the holding of this court in *Schweinfurth v Railway Co.*, 60 Ohio St., 215, and was right.

The fourth special charge requested by the plaintiff below and refused by the court, and which refusal the circuit court held to be error, is as follows:

"If you find from the evidence that the roof of the entry at the place mentioned had become out of repair and dangerous, and that its condition was known to the defendant, or that the same could have been known to said defendant, its servants and agents who had charge and control of said entry, in time to have prevented said injury complained of, by the exercise of reasonable care, prudence and caution, and if you should further find that the condition of said roof was unknown to plaintiff and that he had not equal means with the defendant of knowing of the unsafe and dangerous condition of said roof, and you should further find that while he, the plaintiff, was passing through and along said entry a piece of slate which had become loose fell upon and injured him, then your verdict must be for the plaintiff."

This request is too broad, as it allows the plaintiff below to recover even though he was at fault himself. The limitation that if he was without fault on his part should have been incorporated into the request to make it sound law. True this limitation is found in the general charge, but that cannot have the legal effect of making this request sound, so as to constitute its refusal reversible error. To make the refusal of a request to charge reversible error, the request must be sound law throughout and lacking no required limitation.

Again the general charge fully and carefully covers the phase of the case included in this request, and incorporates the limitation as to the plaintiff being without fault, and the proposition having been correctly given in the general charge, there was no error in refusing a special charge on the same subject, even if correct.

Knowledge of the unsafe condition of the roof of the entry on part of the servants and agents who had charge and control of the entry, would be notice to the company, whether such servants and agents were or were not the superiors of the plaintiff and in authority over him in other matters. In that regard the request was not defective, but for the reasons above given the reversal founded upon the refusal of the request is not approved by this court. The second request of plaintiff should have been given without modification, because notice to the servants and agents who had control of the entry, and cared for and inspected it, was notice to the mine boss and company, and whether they were "superior to plaintiff and in authority over him" or not in other matters, could make no difference.

The court charged the eighth special request of the defendant below as follows:

"If you find from the evidence that plaintiff, at the time of and before his injury knew that the roof of said entry was unsafe, or had the means and opportunity to ascertain its defective condition, and did not avail himself of such opportunity, or use the means at hand, then he was guilty

of such negligence as will prevent his recovering in this action for any injury he may have received, and your verdict must be for the defendant."

The circuit court held this to be error, and we concur in that holding. If the plaintiff below knew the roof of the entry to be unsafe, and entered notwithstanding such knowledge, he was negligent and ought not to recover; but as it was the duty of the mine boss to furnish a reasonably safe entry, and to keep it in a reasonably safe condition, the miners could rely upon that duty being performed, and were not required to test and inspect the roof of the entry themselves, and were not charged with knowledge of its unsafe condition, further than the knowledge they would ordinarily obtain in the proper discharge of the work they were employed to perform. The law is stated thus by Sherman and Redfield on Negligence, Section 217: "A servant is chargeable with actual notice of every fact which he would have known had he exercised ordinary care to keep himself informed as to matters concerning which it was his duty to inquire."

A miner is required by Section 6871, Revised Statutes, to prop the room in which he works and keep it in a safe condition, and therefore he must use the means at hand to ascertain its safety before entering, but no such duty is enjoined upon him as to an entry. The court also erred in giving the seventh special charge asked by defendant in so far as regards the means and opportunity of plaintiff to ascertain the condition of the roof of the entry.

Special charge number ten given at request of defendant below is as follows:

"That if you find from the evidence that the fall of slate upon plaintiff was caused by the jar or concussion from the shot fired by plaintiff in an adjacent room, and that such slate fall did not extend into the middle of the entry, where drivers, miners and other employes walked while going to and from their work, then your verdict must be for the defendant for the reason that the plaintiff was not injured at a point or place, where defendant had any reason to expect that any of its employes would pass."

The giving of this charge the circuit court held to be error, and we think rightly. It was the duty of the company to keep the roof of the whole entry in a reasonably safe condition. Miners passing in and out would often meet cars and would be compelled to turn aside, and they had a right to be protected while doing so. On the occasion of the injury in question there was a car on the track which compelled plaintiff below to take to the side of the entry, and while so doing he had a right to be reasonably protected, and the company should have anticipated such occurrences.

The 17th special charge is in substance the same as the tenth, and is open to the same objection.

The twelfth special charge on behalf of defendant below is as follows:

"If you find from the evidence that the fall of slate which injured

plaintiff was simultaneous with the explosion of the shot by him fired in an adjacent room, or very shortly thereafter, it is your duty to inquire whether the said slate would have fallen at said time but for the concussion of said shot, and if you find that the said shot was excessively large, then your verdict must be for the defendant."

The circuit court properly held the giving of this to be error. Under this charge the jury might find that the slate would have fallen at the time it did without the concussion of the shot, and yet if they should find that the shot was excessively large, even though it did not cause the slate to fall, they must bring in a verdict for the defendant.

If the shot was excessive, and not such as was ordinarily used, and caused the slate to fall, the roof being in a reasonably safe condition, the plaintiff caused his own injury and should not recover. And if the shot was not excessive, and was such as is ordinarily used, and still caused the slate to fall, the roof being in a reasonably safe condition, the falling of the slate was what is known as an inevitable accident for which there could be no recovery, and a charge along those lines would be proper, but the special charge as given was error.

Special charge number 2a given at the request of defendant below is as follows:

"If you find from the evidence that there was a fall of slate in front of the room which Smith worked some time prior to the date of alleged injury which was cleaned up by defendant's employes who were competent for the purpose, and who, at said time, put the roof of said entry at said point in such condition that they considered it reasonably safe, then plaintiff cannot recover in this action, even though you should find that said work was not properly done, or said roof was reasonably safe, and the defendant could not in the exercise of ordinary care have known that it was improperly done."

The circuit court held this to be error, in which holding we concur. The fall of slate in front of Smith's room was some four months before the accident, and not at the place in the entry where the slate fell upon Mr. Smith, and what was done at that place could not rule the law as to the place in the entry room where Smith was injured.

It seems that the circuit court was of opinion that Edward Gordon and Robert Pope upon whom was enjoined the duty of performing the duties of the mine boss as to looking after the safety of the roof of said entry, in addition to their other duties, were, while so performing the duties of the mine boss, the fellow servants of plaintiff below and the other miners, and therefore held several charges good which were clearly erroneous, among them being special charge 1a which was, in effect, that knowledge on the part of Gordon of the defect in the roof of the entry, could not charge the defendant with notice of such defective condition, either actual or constructive.

Upon a retrial of the case, the charge, and especially that part covered by the request of defendant, should be recast so as to conform as near as may be to this opinion.

The judgment of the circuit court is affirmed.

RAILROAD COMPANY v. SCHAFFER.

65 O. S. 414.

Decided January 21, 1902.

Master and Servant — Master not Required to Give Statement of Service of Servant — Strike — Refusal to Employ One Engaged In Strike.

Error to the Circuit Court of Huron County.

In the second cause of action the plaintiff in substance alleges that prior to the first day of January, 1895, he was in the employ of the defendant company, performing the work of a brakeman at the rate of sixty dollars per month, and that on or about the latter part of December, 1894, while in the employ of the defendant company he applied for and was granted a leave of absence for about thirty days, and that when he reported for work again on or about the first day of February, 1894, he was informed by the defendant company that he had been discharged; and he avers that he was discharged from the service of the defendant without any just cause whatever. He says that during the year 1894, there was on many of the railroads in the United States a strike which is commonly known as the A. R. U. strike, and that at the time of this strike, that is, in the summer of 1894, this plaintiff was working for the defendant company as a brakeman in the yards at Bellevue, and took no part in the strike; that he continued to work for the defendant up to the latter part of December, 1894, when he was granted a leave of absence by the defendant. He says that prior to the 6th of August, 1894, the defendant entered into a conspiracy, agreement and understanding with certain other railroad companies having lines of road running into the city of Chicago, and also other railroad companies the names of which are unknown to this plaintiff, that they would furnish to each other information as to all of the employes who had committed offenses, or were charged with having committed offenses, or who had quit work during the said strike, and also as to all their employes who were members of the American Railway Union, and that said companies entered into the further conspiracy, agreement and understanding that such employes of any and all of said companies would not be employed by any of the said companies without the release and consent from the railroad company by which the employe was last employed, commonly

called by railroad men a clearance. He avers that the object and purpose of such alleged conspiracy and agreement was to maliciously and willfully interfere with such employes who had previously terminated their employment with or been discharged from the employment of either of said companies.

Plaintiff further says that he had worked for the defendant company prior to the time of his last employment as above stated, and that when he left that employment he was given a certificate or a statement of his service for the company. There are other allegations in the petition with regard to a custom of the defendant to grant such letters, but these are omitted for the reason that they are not material in the present contention. Plaintiff says that since the conspiracy aforesaid it is impossible for any one to secure employment unless he first presents the consent of the company for whom he last worked, or a clearance card showing that the applicant was in no way connected with the said strike; that he has repeatedly asked the officers of said company for such letters or clearance or consent, and that the company has failed and refused to furnish him therewith, and that at the time he so requested the defendant, the defendant promised and agreed to send his record to anyone employing, or desiring to employ, the defendant, but the plaintiff says that the defendant has failed and refused to furnish the record; that since his discharge he has made application for employment to various railroad companies which have refused to consider his application unless he would first bring the consent of the defendant or a clearance as above mentioned. He further says that the defendant willfully and maliciously and in pursuance of said conspiracy, agreement and understanding, and with intent willfully and maliciously to prevent the plaintiff from securing employment, refused to give the plaintiff the said letters, consent or clearance that would enable him to secure employment in the railroad business, and because thereof, and for no other reason, he has been denied the right to contract for or take employment of any of the companies of the United States, and been prevented from obtaining employment and supporting himself by his trade or occupation. For all of which he claims to have been damaged in the sum of five thousand dollars, and asks judgment therefor.

The first cause of action stated in the plaintiff's second amended petition was demurred to for the reason that the same did not state facts sufficient to constitute a cause of action in favor of the plaintiff, which demurrer was overruled. The defendant answered, specially denying the material allegations of the petition, except that during the summer of 1894, there was a strike on certain railroad lines and that the plaintiff was not engaged in the strike, and averring that the plaintiff was dismissed from the defendant's service for a just cause and after proper investigation. Plaintiff replied, denying that he was discharged for just cause and after investigation.

On the trial the issues thus made up by the pleadings were modified

by the court when the case was submitted to the jury, in this: First, that the first cause of action was withdrawn from the jury with the consent of the plaintiff's counsel; second, averments contained in the second amended petition to the effect that it was customary for the defendant to grant letters giving a statement of services rendered, were taken from the consideration of the jury by the charge of the court, because there was not evidence to establish any such custom.

It appears in the testimony that the plaintiff had been twice suspended while in the service of the defendant company, namely, in March and in May, 1894, for breach of duty as an employe, and that on the 26th day of December, 1894, and just prior to the time that the leave of absence was granted to the plaintiff, there had been a collision of the train on which the plaintiff was a brakeman in the switching yards at Bellevue, and which it was claimed was occasioned by the negligence of the plaintiff, Schaffer, and that on the following day, the 27th day of December a passenger train ran through a misplaced switch in the Bellevue yards for the condition of which the plaintiff was claimed to be responsible.

The jury returned a verdict in favor of the plaintiff in the sum of five thousand dollars on which judgment was entered by the trial court. The circuit court affirmed the judgment of the common pleas court, and this proceeding is prosecuted to reverse the judgments of the two lower courts.

It is important to note in this case, as was stated by the trial judge in his charge to the jury, that there was no obligation by custom or express agreement to give to the plaintiff a clearance. If, therefore, an obligation to furnish a clearance existed at all it must have arisen by implication of law; and the whole contention is whether the law imposed such an obligation upon the defendant, under the facts disclosed in this record.

The plaintiff alleges that he was unable to obtain employment after his discharge by the defendant, by reason of the failure and refusal of the defendant to furnish, on request, the plaintiff's record of service, or a consent and clearance. As there is no testimony in regard to "consent," that expression of the pleader may be disregarded. The term "clearance" is mentioned in the amended petition as a "card showing that the applicant was in no way connected with said strike," that is, with the railroad strike in 1894, known as the A. R. U. strike. The plaintiff, when on the witness stand, stated that a "clearance is a paper showing the place of employment, kind of employment, the time and whether the service was satisfactory or not." * * * "If it was satisfactory it would be a clearance; it would enable a man to go and show to a railroad company that it was all right, and if his work was unsatisfactory it would be otherwise—he had best not show it." The trial judge, charging the jury, said: "A statement of his record with his last employer, as the plaintiff claims, in brief, was a paper or clearance that it was agreed should be required. It is claimed

that this was required so that a railroad company might know whether or not he was engaged in the A. R. U. strike." So that the gist of the complaint is that the plaintiff was prevented from obtaining employment by the malicious refusal of the defendant to furnish the plaintiff with "a statement of his record with his last employer."

Upon the first offer of testimony by the plaintiff, the defendant objected to the introduction of any testimony in the case on the ground that there was no case made in the pleadings such as would authorize any recovery. The court overruled the objection, reserving the decision of the question whether the plaintiff had pleaded a good cause of action, until the testimony was all in. In submitting the case to the jury, the court charged in substance, that if the plaintiff agreed, combined or conspired with other railroad companies that neither they nor any of them would employ any man who did not furnish a clearance, that is, a statement of his record from his former employer, and if the defendant, in accordance with such agreement, combination or conspiracy, refused to furnish such statement of his record, with intent to prevent the plaintiff from obtaining employment from any or all of said railroad companies, then the plaintiff may recover. This instruction to the jury embodies the plaintiff's theory of his case, and if it is not sound law the plaintiff was not entitled to a judgment whatever may have been the findings of the jury upon the issues of fact which were submitted to them.

Recurring to the second amended petition, upon which the case was tried, it appears that it is not alleged that the defendant agreed or conspired with other railroad companies to refuse to give to the plaintiff, or to any other discharged employee, a statement of his record, nor is there a scintilla of proof of such a combination; but on the contrary the distinct claim is that such refusal was the individual, malicious act of the defendant. It is the undoubted and unabridged natural right of every individual not to employ, or to refuse to employ, whosoever he may wish, and he cannot be called upon to answer to the public or to individuals for his judgment. Nor can the motives which prompt his action be considered. In general terms, such right is as much inherent in corporate bodies as in natural persons.

But whatever one person may lawfully do, two or more persons may join in doing. There can be no such thing as a conspiracy to do a lawful thing unless by unlawful means. If one railroad company may lawfully refuse to continue in its employ a person who has been engaged in a war upon its interests, called a strike, or who has shown himself to be negligent, incompetent, inefficient or dishonest, there does not appear to be any good reason why a number of railroad companies might not agree among themselves to not employ such a person. Indeed there are obvious reasons, public and private, why they should do so. For example, it would be very inconsistent and unjust, if while holding railroad companies to strict accountability for the negligence of their servants we should re-

strict them in the natural right to protect themselves in the matter of the selection of their employees. That such a combination or agreement may be lawfully made and executed is held in the following well considered cases: *Macauley v. Tierney*, 19, R. I., 255; *Bohn Mfg. Co. v. Hollis*, 54 Minn., 223; *Brewster v. Miller*, 101 Ky., 368; *Delz v. Winfree*, 80 Tex., 400. And see *Cooley on Torts*, (2 ed.) 329. If, therefore, the jury found the affirmative of the issue of fact submitted, whether the defendant combined with other companies in an agreement not to employ any person who did not furnish a statement of his record with his former employer, it would afford not basis for recovery, unless it should appear that this agreement, which is *prima facie* valid, was brought about by some illegal act of the defendant. If the defendant, by fraud, falsehood, or force, had brought about a refusal to employ the plaintiff, it would have committed a positive wrong against the plaintiff which would have been actionable. Of this, however, there is not a scintilla of proof. But an agreement to tell the truth about the plaintiff, or a refusal to say anything about him would not make an otherwise legal concert of action an illegal one and authorize a recovery against the defendant. Says Field, C. J., in *Vegelahn v. Guntner*, 167 Mass., 103: "I am not convinced that to persuade one man not to enter into the employment of another, by telling the truth to him about such other person and his business is actionable at common law, whatever the motive might be." The Supreme Court of Georgia, in passing upon the constitutionality of a statute which required certain classes of corporations to communicate to their discharged employes the reasons for discharge, under heavy penalty in the name of damages, said: "A statute which undertakes to make it the duty of incorporated railroad, express and telegraph companies to engage in correspondence of this sort with their discharged agents and employes, and which subjects them in each case to a heavy forfeiture, under the name of damages, for failing or refusing to do so, is violative of the general private right of silence enjoyed in this state by all persons, natural or artificial, from time immemorial, and is utterly void and of no effect. Liberty of speech and of writing is secured by the constitution, and incident thereto is the correlative liberty of silence, not less important nor less sacred. Statements or communications, oral or written, wanted for private information, cannot be coerced by mere legislative mandate at the will of one of the parties and against the will of the other." *Wallace v. Railway Co.*, 94 Ga., 732.

The theory of the circuit court that silence, or refusal to render a statement on request, is in the nature of a slander, and, if its effect is to prevent the person from obtaining employment, it is an actionable wrong, is untenable. As stated at the outset, there was between these parties no contract for a statement, and there is no statute in Ohio requiring it; indeed, it is doubtful whether one could be made that would be valid. *Wallace v. Railway Co.*, *supra*. It is conclusively shown in *Railway Co. v.*

Jenkins, 174 Ill., 402, 405, that no such duty is imposed on the employer by the common law. For convenience of reference, some of the authorities there cited are quoted here: "On examination it will be perceived that this right of an employer to give, as it is termed, a 'character' to his ex-employee is nothing more than a consequence of the right to communicate one's belief. * * * No one is under any obligation to make such a communication. He does not owe it as a duty, either to the employer or the employee, to make any communication on the subject." Townshend on Slander and Libel, (4 ed.) 425. It is not legally compulsory on a master or mistress to give a discharged servant any character, it matters not how much a servant is entitled to character in fairness or how cruel the refusal might be." 14 Am. & Eng. Enc. Law, (1 ed.) 799. "It is clear, however, that in the absence of any specific agreement to that effect there is no legal obligation binding a person who has retained another as a servant, to give that person any character at all on dismissal, and that no action will lie against him for refusing to do so." Smith on Master & Servant (Text Book ed.), 380, 381. "The master is under no legal obligation to give a testimonial of character to his servant." 2 Parsons on Contracts, *43-44.

Without pursuing this discussion further it may be said that the views of the courts below respecting the law governing this case, and as given in the charge to the jury, were entirely wrong, and that upon the facts which the jury were authorized to find upon the issues submitted to them, and which they are presumed to have found, the judgment ought to have been for the defendant.

Reversed and judgment for defendant.

Dissenting opinion of Judge Minshall.

I concur in the judgment, and the syllabus as framed, but do not concur in the view expressed in the opinion that companies may enter into an agreement among themselves, not to employ persons who have engaged in what is known as a "strike." Such an agreement is against public policy, as tending to encourage idleness and cause poverty among working men, by depriving them of the means of earning a livelihood for themselves and their families. Each company should be at liberty to employ such persons as in its judgment may seem best, unrestrained by any agreement with other companies. A particular company may be disposed to employ persons, although they may have been engaged in a strike, and would do so but for the fact that it is restrained by its agreement with other companies from doing so. It seems to me that such an agreement is clearly against public policy and should not be recognized by the courts. To do so would, in effect, make engaging in a strike an offense punishable by exclusion from employment. The reason I concur in the judgment and syllabus is, I fail to discern from the record that there was any evidence tending to show that the defendant had entered into an agreement with other companies not to employ persons who had been engaged in

the railroad strike of 1894. All it did was to refuse to give the plaintiff a "clearance" when requested. This it might reasonably do for reasons stated in the opinion.

THE BROWN OIL CAN CO. v. OSCAR GREEN.

22 C. C. R., 518.

Employer's Liability — Operator Continuing to Work Defective Machinery — Promise to Repair — Duty as to Care.

Error to the Court of Common Pleas of Lucas county.

This action was brought below by the defendant in error to recover damages for personal injuries which he claims he sustained on account of the negligence of the plaintiff in error. The defendant in error recovered a verdict for \$750, upon which judgment was entered by the court of common pleas, and it is to reverse this judgment that this proceeding in error is brought.

The defendant in error, Green, was in the employ of the plaintiff in error, The Brown Oil Can Company, which operated a shop or a manufactory in the city of Toledo. Green was employed in the operation of a machine which may be called a press, that was used in pressing tin into shape in the manufacture of dust-pan backs. His claim was that this machine was defective, and known to be defective by the Oil Can Company, and that he discovered that it was defective, and notified the superintendent of the company; that the superintendent promised to repair it, and relying upon that promise, he, Green, continued in the employ of the company, and continued to operate the machine until he was injured, on the 13th day of February, 1900. The negligence of the company, he claims, consisted in permitting this machine to become and remain out of repair. He excuses himself for operating the machine on the ground that he had been promised that it would be repaired. The claim of the company is, first, that the machine was not defective; second, that if it was defective, that Green's injuries were directly due to his own negligence in the manner in which he was operating the machine.

The chief question here — the only question of any moment — is whether the verdict of the jury was sustained by sufficient evidence, or whether it was contrary to the weight of evidence, upon the question of Green's contributory negligence. I should say, however, that the question as to whether the machine was defective is also one upon which the evidence was conflicting. The plaintiff in error claims that the evidence shows that the machine was not in any manner defective; the defendant in error claims that it was not defective in that it had become "gummed up," as it was called, that the oil had become thick and sticky, and the

operation of a spring in the machine was thereby interfered with, so that the machine did not work properly; and in that respect the machine was defective, to the knowledge of the defendant below.

The press was a machine that consisted of a lower die with a deep wide groove in it, an upper die or plunger, as it sometimes called, which, by the operation of the machine, was made to work up and down in the groove of the lower die. The machine was run by the power in the factory, which was communicated to it by a belt on a large revolving wheel. The machine was thrown into gear so that the upper die or plunger would work up and down by placing the foot upon a treadle, and thrown out of gear by taking the foot off the treadle. A square piece of tin was placed on the lower die, and the upper die came down and pressed it into the groove, and formed it into the shape necessary for the back of the dust-pan.

Green was operating this machine and making dust-pan backs when he was hurt. He was about to remove with his thumb and first and second fingers of his left hand a dust-pan back that had been pressed in the groove, when the shaft came down and cut off or crushed the ends of those two fingers.

Green's claim is that, on account of the defective condition of the machine, when his foot was taken off the treadle, the machine would not be immediately thrown out of gear, either on account of the gummy or sticky condition of the spring, or for some other reason, so that the shaft worked up and down sometimes once, and sometimes twice, and sometimes three times, after his foot was taken off the treadle; whereas, the taking of the foot off the treadle ought immediately to stop the operation of the machine. On this occasion, the piece of tin having been pressed, he claims he took his foot off the treadle, put his fingers on the tin to remove it from the groove, and without his foot being on the treadle, the shaft again came down, and he was injured as stated.

Of course Green knew that if this shaft came down on his fingers it would injure them. He knew that the machine, for some reason, was out of order. As he himself testifies, it had been out of order for some days, and in fact had been out of order as much as a month before; but his claim is that he had been promised that the machine would be repaired, and that he relied upon that promise, and continued to work and operate it. He claims that he was working and operating it at the time he was hurt in the manner in which he had been instructed to operate it when he was employed by the company, to-wit: by taking the pressed tin out of the groove with his fingers, and with no other instrument; and that therefore he was in the exercise of ordinary care at the time he sustained this injury. On the other hand, it is claimed by the plaintiff in error that Green assumed this risk, whatever there was of it, with full knowledge of the condition of the machine, and further that he was guilty of contributory negligence so as to preclude his recovery.

To determine whether Greene was guilty of contributory negligence, we must look briefly at the facts and circumstances of the case: who Green was, what his experience was, and what his knowledge of machinery was, should be considered along with other facts; and his conduct upon the occasion in question must be considered in the light of the knowledge that he had at that time of the condition of the machine, and in the light of the promise which he claims had been made to him that the machine would be repaired. Green was a somewhat experienced man with machinery. He had worked in a sawmill and shops of various kinds before he entered the employ of the Brown Oil Can Company, and he had been in their employ about a year before he was injured. He had worked with this kind of a press, and perhaps with this particular press, about six months, and had worked for some weeks at least on this particular kind of work, before he was injured. He was a man about 39 years of age. So that he was an experienced workman. He had full knowledge of the danger, if there was any, in the employment in which he was engaged. He claims that when he entered the employ of the company he was instructed by the foreman, Mr. Brown, to operate the machine as he was operating it at the time he was injured, by taking the pressed tin out of the groove with his fingers; and that he never had any instructions to use any instrument. This Mr. Brown denies. According to the plaintiff's testimony, it seems that this machine began to show signs of being out of repair about a month before Green was hurt, and he noticed then that it would "repeat," as he calls it. After he took his foot off the treadle the shaft would go up and down two or three times without his foot being put back upon it. And I think he called the attention of the foreman to it at that time. But he claims further that during the week immediately preceding his injury the machine was acting badly, and repeated, and on the Saturday preceding he called the foreman's attention to it, and the foreman told him it was "gummy" and sticky, and that perhaps, if he would warm it up by running it rapidly, that the machine would work all right; and the foreman promised to look after it and see that it was fixed. Green then went back to work and operated the machine, and returned Monday morning. Monday morning the machine again worked badly, and he ran it rapidly for a while, and warmed it up as he had been told. But the machine continued to repeat after that and did repeat several times during that day, the shaft coming down when his foot was not on the treadle. He came back to work again Tuesday morning, and as soon as he began to work the machine commenced to repeat. He went to work at half past six and was injured at eight. According to Green's testimony he spent nearly all of the time until within half an hour of the time he was injured in undertaking to remedy this difficulty in the machine, warming it up, as he says. His experience on Monday, the day before, had shown him although the machine was "warmed up," this did not remedy the defect, and that it was

still liable to repeat, and the punch liable to come down in the groove without his foot being placed upon the treadle.

Of course Green knew that it was dangerous to put his fingers where this die might come down upon them, if the machine was out of repair, and the die liable to come down, although his foot was not on the treadle. He says in his testimony on page 65 of the bill of exceptions in answer to questions:

Q. You knew it to be a very dangerous thing to put your hands in there that way, didn't you? A. I did, sir.

Q. And yet you want the jury to understand that, knowing it to be dangerous to put your fingers in there, you didn't know enough to shove them out partially with the other tin, so you wouldn't have to put your fingers in? A. I wouldn't say any other way; that is the way I supposed it was done.

And again on this same page:

Q. Did you ever think of the dangers of it when you were on your way home or coming back, when you were away from the machine? A. Yes, sir; I knew there was danger there.

But he says that he had been promised that the machine would be repaired, and he says that he had been instructed by the foreman that this was the proper way to operate the machine, and that he was complying with these instructions. The evidence shows that the tin could be removed with some instrument aside from the fingers, and that these machines were operated by moving out a little piece of tin that had been pressed, with the flat piece of tin. Just before the flat piece was put in its place on the lower die the operator could shove out the grooved piece of tin with the flat piece far enough so that it could be taken out without any danger. And the evidence shows that the machine was operated that way after the injury. As to whether or not that was done before the injury, the evidence is conflicting. The foreman testifies that he told the plaintiff before the accident that he would not be injured if he took the flat piece of tin and used it to shove out the grooved piece, the flat piece of tin being put in with the right hand, and the grooved piece being taken out with the left.

It is settled in this state by the case of *Manufacturing Co. v. Morrissey*, 40 Ohio St., 148, (48 Am. Dec., 669), that where an employe has been promised that a defective machine would be repaired, and continues to operate the machine after such promise for a reasonable length of time, relying upon such promise, that the fact of his continuing the operation of the machine is not in itself conclusive evidence of negligence, but it is a question to be submitted to the jury. The court says in the second paragraph of the syllabus:

"Held. That the workman's knowledge of the defects in the machine was not under the circumstances and as matter of law, conclusive of contributory negligence on his part; but it was a fact in the case to be taken

into consideration by the jury, with all the other facts and circumstances; in determining the question, whether the workman's own negligence contributed to the accident by which he was injured."

The court say in the first paragraph of the opinion on page 150:

There is no evidence that there was any carelessness on the part of Morrissey, the defendant in error, in his mode of operating the machine through whose defects he was injured. On the morning of his injury—from the time of his commencing work up to and at the time he was injured—he ran the machine much slower than usual, on account of its bad condition, and in order to avoid being hurt. The contributory negligence imputed to him, consisted in his knowing that the part called the 'jointer' was out of repair, and could not be safely used, and in thereafter remaining in the service of the company, and continuing to operate that portion of the machine."

The evidence in the case showed that a short time before he was hurt Morrissey had called the attention of the foreman or superintendent to the defect, and half an hour before had been told to go on with his work and it would be fixed.

Although a promise to repair may have been made to Green, as he claims on Saturday preceding the Tuesday, on which he was hurt, if it should be found that that was not an unreasonable length of time, (which was a question left to the jury), still there remains in the case the question whether in the manner of the operation of the machine at the time in its defective condition, Green himself was exercising ordinary care.

A promise on the part of the employer to repair a defective machine, known by the employer and employe to be defective, will not relieve the employe from exercising ordinary care in the operation of that machine, and he is required to exercise such care as is commensurate with the danger of operating the machine. He is not permitted, because he has been promised that the machine will be repaired, to negligently and carelessly expose himself to danger which he might, by the exercise of ordinary care, avoid. In *Manufacturing Co. v. Morrissey*, supra, the supreme court say that there was no evidence that Morrissey was guilty of any negligence himself in the mode of operating the machine; and the evidence as set forth shows clearly that he was not. The supreme court has said in another case that where an employe in obedience to orders goes into a place that may be palpably dangerous, still, if he does this in obedience to orders, it may be a question for a jury to determine whether he has exercised ordinary care or not.

Did Green exercise ordinary care in the mode of operation of this machine? He knew some weeks before the machine was acting in this manner, for some reason. He knew that the shaft was liable to come down when his foot was not on the treadle; he knew that if his fingers were in the groove when the shaft came down they would necessarily be cut off; he knew that on the preceding Saturday this machine had been act-

ing in this manner — that for some reason it was not acting properly, and was repeating; and on the following Monday he found the machine in the same condition, and he undertook to repair it; to remove the difficulty, but without success; and on the morning he was hurt, as he testifies, he spent an hour perhaps, in undertaking to remove this difficulty before he got this machine to work, so that it could be operated, and after he had been working it about half an hour, at about 8 o'clock, he was hurt. It is perfectly plain from this machine, parts of which are before us as a part of the bill of exceptions, and from the testimony of the witnesses, that the tin in the groove could be shoved out by the piece of tin that the operator was about to put in with his right hand. The groove is perfectly smooth, the edge of the grooved tin is turned over, so that there was a projection against which to place the piece of tin in the right hand; and it is clear that it was practical and safe to operate the machine in this way. Although Green may have been instructed, as he testifies he was when he was put to work at the press to take the tin out with his fingers, that instruction was given to him with reference to a machine that was in repair, if such instruction was given. The foreman denies that he gave him any such instructions, but on the contrary testifies that he told him never to take the tin out with his fingers. He was not instructed to take the tin out with his fingers after the machine got out of repair — after it got into such a condition, as he claims, that the punch was liable at any time to come down on his fingers, without his foot being on the treadle. He knew and must have known with his knowledge of machinery, as a man would have known without any knowledge of machinery or its operation, that this piece of tin could be slid out with the other piece of tin, so that it might be taken hold of without danger. So that, resting the question upon Green's testimony alone, it appears that with his knowledge of the condition of this machine, with the knowledge of what it was liable to do at any moment and of the injury that it would inflict upon him, with knowledge that he might slide the tin out in some other way and avoid injury, he put his fingers under the punch for the purpose of taking out this piece of tin, and the punch came down without his foot being on the treadle, and he was injured, and it seems to us that upon that statement of facts, viewing Green in the light of his own testimony, laying aside all the other testimony in the case, that he was clearly guilty of contributory negligence, of negligence that directly contributed to his own injury. We are unable to avoid this conclusion from the statement that he makes himself. It is difficult for us to conceive of what would be contributory negligence if a man's placing his hands voluntarily in such a position of peril as this was would not be. He was not in the position of a man who must continue to operate the machine at his peril or lose his employment. He could have operated the machine without putting his fingers under the plunger. He was not in the position of a man who had been ordered to do something that was dangerous and so obliged to encoun-

ter a peril in obeying the order. He was not in the position of Katie Reagan, in *Breckenridge Co. v. Reagan*, 22 Ohio C. C., 71. She was operating a machine when the plunger tripped. She was a girl only 15 years of age, and had never worked in a factory before, and had only worked in this one two or three days. She testified that she had been given very little instruction. The machine got out of order, and she testified that within half an hour of her injury she had been told to continue her work and the foreman promised to repair the machine. She was undertaking to remove some pieces of tin with her fingers, when the plunger came down, and she was injured. This case, as we view it, is very different in its facts and circumstances from *Breckenridge Co. v. Reagan*, *supra*. We do not base our judgment upon any conflict of evidence, or because the testimony offered by the defendant below is more reasonable than that offered by the plaintiff below, but rest it upon the testimony of the plaintiff himself, and from that we conclude that he was guilty of contributory negligence, and that therefore the verdict was against the weight of the evidence, and that the motion for a new trial should have been granted, and that there was error in overruling it.

We have examined the charge of the court, but find no errors in it. The case was properly submitted to the jury, and had the jury followed the instructions of the court as given, the verdict would have been for the defendant below.

For these reasons the judgment of the court of common pleas will be reversed.

PART II.

Manufactures.

STATE OF OHIO,
BUREAU OF LABOR STATISTICS.

COLUMBUS OHIO, June 25th, 1902.

Hon. John M. Sheets, Attorney General of Ohio: Columbus, Ohio.

DEAR SIR: The Bureau of Labor Statistics, in pursuing its present investigation on General Manufactures under the amended law, Sections 308-310 of the Revised Statutes, finds that there are a few manufacturers in the State who refuse to make their reports. The provisions of the law in giving proper notices to such manufactures have been more than complied with by the Bureau. They have been requested repeatedly by correspondence and by our special agents, who visited them in person, to make and send on such reports, but so far without success. Those who have thus refused, it is true, are comparatively few in number — there are not more than three or four such cases in the whole State — but this in our judgement does not change the principle of the question. It is, therefore, the intention of the Department to institute action against such manufacturers, and compel the making of such reports under the law. To this end, you are requested to advise us as to the proper method of procedure, which I trust you will do without delay.

Very truly yours,
M. D. RATCHFORD, *Commissioner.*

STATE OF OHIO,
OFFICE OF ATTORNEY GENERAL.

COLUMBUS, OHIO, July 7th, 1902.

Hon. M. D. Ratchford, Commissioner of Labor Statistics.

DEAR SIR: Yours of recent date, making inquiry as to what course you should pursue in order to bring to justice manufacturers who have refused to answer the questions required by section 308 of the Revised Statutes, came duly to hand.

I gather from your letter that these persons have refused to answer the questions required to be answered under the provisions of the section above referred to. Not having the amended law in my possession at the time of receiving your letter, I did not give it immediate attention, but waited until I obtained a copy of the law.

Section 309 of the Revised Statutes provides that whoever willfully neglects or refuses, for the period of thirty days to answer the questions required, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey a subpoena to give testimony under the provisions of the act shall be guilty of a misdemeanor, and upon conviction shall be punished by a fine of not less than \$50 nor more than

\$500. This, of course, requires that these persons shall be indicted by a grand jury and brought to trial in that way, or in those counties in which the probate court has criminal jurisdiction, an information may be filed against them charging them with this offense, and thus brought to trial before the probate court. They also may be arrested before a magistrate and bound over to the common pleas court to await the action of the grand jury, or if the probate court has jurisdiction, bound over to that court.

Should you desire to employ counsel at the locality where these infractions of the law have occurred please let me know whom you want, and I shall be glad to furnish them for you.

Very truly yours,

J. M. SHEETS, *Attorney General.*

NOTE: The firms alluded to in the foregoing letters have made their reports.

STATE SUMMARY.

MANUFACTURES

(Including all Classifications and Divisions.)

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	2,520	5,329	2,809	.....
Number of males employed (monthly average)	136,555	240,933	104,378	.....
Number of females employed (monthly average)	28,154	43,090	14,936	.....
Number employed, managers, office help, etc. (monthly average).....	13,283	28,111	9,828	.....
Amount of capital invested.....	\$269,763,468 00	\$458,461,670 00	\$188,698,202 00	.....
Value of goods manufactured.....	340,501,256 67	598,332,712 68	257,831,456 01	.....
Value of goods sold.....		598,397,588 60		.....
Value of materials used.....	179,859,096 12	280,817,031 85	100,957,935 73	.....
Value of manufactured goods on hand at end of year.....	39,477,495 95	60,579,678 52	21,102,182 57	.....
Value of materials on hand at end of year	47,214,020 91	68,269,277 33	21,055,256 42	.....
Amount paid in wages for labor.....	73,627,385 16	134,662,007 79	61,034,122 63	.....
Amount paid managers, office help, etc	20,433,469 08	29,350,482 24	8,917,013 16	.....
Number affected by advance in wages	22,496	46,286	23,790	.....
Number affected by reduction in wages	371	1,251	880	.....
Average per cent. advance in wages...	8.8	8.4	.....	.4
Average per cent. reduction in wages.	8.4	6.2	.....	2.2

* Question omitted.

MANUFACTURES.

TABLES

Giving totals and averages for the State and each of the seven divisions thereof,
for 1901, compared with 1900.

THE STATE.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	2,520	4,730	2,210	.....
Number of males employed (monthly average)	136,555	212,954	76,399	.....
Number of females employed (monthly average)	28,154	39,144	10,990	.....
Number employed, managers, office help, etc. (monthly average).....	18,283	25,477	7,194	.....
Amount of capital invested.....	\$269,763,468 00	\$337,675,761 00	\$67,912,293 00	.....
Value of goods manufactured.....	340,501,256 67	542,274,748 22	201,773,491 55	.....
Value of goods sold.....	*	541,117,212 07	.....	.....
Value of materials used.....	179,859,096 12	263,467,227 41	83,608,312 29	.....
Value of manufactured goods on hand at end of year.....	39,477,495 95	51,392,095 64	11,914,599 69	.....
Value of materials on hand at end of year	47,214,020 91	64,849,072 60	17,635,051 69	.....
Amount paid in wages for labor.....	73,627,835 16	118,994,053 43	45,366,168 27	.....
Amount paid managers, office help, etc	20,433,469 08	26,016,270 72	5,582,801 64	.....
Number affected by advance in wages	22,496	44,801	20,957	.....
Number affected by reduction in wages	371	1,227	856	.....
Average per cent. advance in wages..	8.8	8.4	.....	.4
Average per cent. reduction in wages.	8.4	6.3	.....	2.1

* Question omitted.

THE DIVISIONS.

CLEVELAND.

Classification.	1900.	1901.	Increase.	Decrease,
Number of establishments reporting..	454	752	298	.....
Number of males employed (monthly average)	31,524	49,237	17,713	.....
Number of females employed (monthly average)	5,344	7,072	1,728	.....
Number employed, managers, office help, etc. (monthly average).....	3,756	5,466	1,710	.....
Amount of capital invested.....	\$72,447,962 00	\$79,199,989 00	\$6,752,027 00	.....
Value of goods manufactured.....	67,494,558 83	101,884,576 99	34,390,018 16	.....
Value of goods sold.....		100,770,758 02		.....
Value of materials used.....	34,611,360 93	43,412,684 36	8,801,323 43	.....
Value of manufactured goods on hand at end of year.....	7,838,821 25	10,542,340 60	2,703,519 35	.....
Value of materials on hand at end of year	8,775,318 17	10,962,347 01	2,187,028 84	.....
Amount paid in wages for labor.....	16,856,374 85	27,685,673 16	10,829,298 31	.....
Amount paid managers, office help, etc	3,939,300 24	5,765,620 92	1,826,320 68	.....
Number affected by advance in wages	5,152	13,423	8,271	.....
Number affected by reduction in wages	136	101		35
Average per cent. advance in wages..	7.9	8	.1	.....
Average per cent. reduction in wages.	10.8	8.6		2.2

* Question omitted.

COLUMBUS.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	196	238	42	.....
Number of males employed (monthly average)	8,929	9,980	1,051	.....
Number of females employed (monthly average)	2,141	2,568	427	.....
Number employed, managers, office help, etc. (monthly average).....	1,363	1,497	134	.....
Amount of capital invested.....	\$12,760,486 00	\$13,711,062 00	\$950,576 00	.....
Value of goods manufactured.....	21,486,535 14	27,416,074 55	5,929,539 41	.....
Value of goods sold.....		27,621,898 92		.....
Value of materials used.....	10,667,392 54	11,956,427 24	1,289,034 70	.....
Value of manufactured goods on hand at end of year.....	2,014,746 47	1,580,237 73		\$434,508 74
Value of materials on hand at end of year	2,926,788 54	2,621,243 97	305,544 57	.....
Amount paid in wages for labor.....	4,685,471 07	5,520,550 62	835,079 55	.....
Amount paid managers, office help, etc	1,508,525 16	1,689,312 84	180,787 68	.....
Number affected by advance in wages	1,676	1,376		300
Average per cent. advance in wages..	8.9	10.9	2	.....

* Question omitted.

CINCINNATI.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	800	1,122	322	.....
Number of males employed (monthly average)	35,323	37,889	2,566	.....
Number of females employed (monthly average)	10,963	13,031	2,068	.....
Number employed, managers, office help, etc. (monthly average).....	5,576	6,215	639	.....
Amount of capital invested.....	\$75,452,188 00	\$72,320,700 00		\$3,131,488 00
Value of goods manufactured.....	106,097,378 09	116,565,455 39	\$10,468,077 30	.....
Value of goods sold.....	*	117,724,595 14		.....
Value of materials used.....	58,219,970 07	64,959,212 45	6,739,242 38	.....
Value of manufactured goods on hand at end of year.....	13,443,203 23	13,119,250 30		323,952 93
Value of materials on hand at end of year	13,457,587 51	15,135,293 17	1,677,705 66	.....
Amount paid in wages for labor.....	20,125,610 06	23,301,381 57	3,175,771 51	.....
Amount paid managers, office help, etc	5,971,975 44	6,355,495 63	383,520 24	.....
Number affected by advance in wages	3,048	6,868	3,820	.....
Number affected by reduction in wages	111	70		40
Average per cent. advance in wages..	10.7	9.1		1.6
Average per cent. reduction in wages.	5.3	5		.3

* Question omitted.

DAYTON.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	149	229	80	.....
Number of males employed (monthly average)	10,661	11,991	1,330	.....
Number of females employed (monthly average)	1,844	2,101	257	.....
Number employed, managers, office help, etc. (monthly average).....	1,630	1,841	211	.....
Amount of capital invested.....	\$20,923,401 00	\$19,256,990 00		\$1,666,411 00
Value of goods manufactured.....	27,736,577 83	29,225,427 49	\$1,488,849 66	.....
Value of goods sold.....	*	28,086,604 67		.....
Value of materials used.....	13,066,199 92	13,899,893 25	833,693 33	.....
Value of manufactured goods on hand at end of year.....	4,071,901 06	2,555,419 30		1,516,481 76
Value of materials on hand at end of year	4,050,602 26	4,184,991 62	134,389 36	.....
Amount paid in wages for labor.....	6,277,527 94	6,907,630 59	630,102 65	.....
Amount paid managers, office help, etc	2,579,707 92	1,667,556 60		912,151 32
Number affected by advance in wages	3,663	2,758		905
Number affected by reduction in wages		64	64	.....
Average per cent. advance in wages..	9.3	6.6		1.7
Average per cent. reduction in wages.		11	11	.....

* Question omitted.

TOLEDO.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	166	253	87	.....
Number of males employed (monthly average)	7,064	9,809	2,745	.....
Number of females employed (monthly average)	1,706	1,818	112	.....
Number employed, managers, office help, etc. (monthly average).....	949	1,294	345	.....
Amount of capital invested.....	\$11,149,026 00	\$12,679,192 00	\$1,530,166 00	.....
Value of goods manufactured.....	19,541,739 48	27,843,964 40	8,302,224 92	.....
Value of goods sold.....	*	27,696,606 24		.....
Value of materials used.....	12,263,262 65	14,057,134 13	1,793,871 48	.....
Value of manufactured goods on hand at end of year.....	2,165,870 04	3,199,542 00	1,033,671 96	.....
Value of materials on hand at end of year	3,233,177 51	3,821,963 71	588,786 20	.....
Amount paid in wages for labor.....	3,877,003 97	4,975,768 50	1,098,765 53	.....
Amount paid managers, office help, etc	1,035,723 12	1,251,411 12	215,688 00	.....
Number affected by advance in wages	705	1,336	631	.....
Number affected by reduction in wages	21	156	135	.....
Average per cent. advance in wages..	9.5	10.8	1.3	.....
Average per cent. reduction in wages.	11.8	6.5		5.3

* Question omitted.

CITIES.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	574	1,505	931	.....
Number of males employed (monthly average)	38,375	70,101	31,726	.....
Number of females employed (monthly average)	5,654	10,085	4,431	.....
Number employed, managers, office help, etc. (monthly average).....	4,406	6,972	2,566	.....
Amount of capital invested.....	\$70,686,856 00	\$108,258,105 00	\$37,571,249 00	.....
Value of goods manufactured.....	88,735,363 14	182,787,761 94	94,052,398 80	.....
Value of goods sold.....	*	182,234,223 98		.....
Value of materials used.....	45,714,975 38	89,885,159 30	44,170,213 92	.....
Value of manufactured goods on hand at end of year.....	8,799,854 52	15,538,555 46	6,738,700 94	.....
Value of materials on hand at end of year	13,290,032 74	21,580,489 84	8,290,457 10	.....
Amount paid in wages for labor.....	19,823,295 93	38,398,957 22	18,575,661 29	.....
Amount paid managers, office help, etc	4,847,912 04	7,224,421 68	2,376,509 64	.....
Number affected by advance in wages	7,377	14,648	7,271	.....
Number affected by reduction in wages	101	483	387	.....
Average per cent. advance in wages..	8.8	9.7	.9	.....
Average per cent. reduction in wages.	8.2	8.7	.5	.....

* Question omitted.

TOWNS AND VILLAGES.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	181	631	450	.....
Number of males employed (monthly average)	4,679	23,947	19,268	.....
Number of females employed (monthly average-	502	2,469	1,967	.....
Number employed, managers, office help, etc. (monthly average).....	603	2,192	1,589	.....
Amount of capital invested.....	\$6,343,549 00	\$32,249,723 00	\$25,906,174 00	.....
Value of goods manufactured.....	9,409,104 16	56,551,487 46	47,142,383 30	.....
Value of goods sold.....	*	56,982,525 10	.....	.....
Value of materials used.....	5,315,934 63	25,296,686 68	19,980,752 05	.....
Value of manufactured goods on hand at end of year.....	1,143,099 38	4,856,750 25	3,713,650 87	.....
Value of materials on hand at end of year	1,480,514 18	6,542,743 28	5,062,229 10	.....
Amount paid in wages for labor.....	1,932,596 34	12,204,091 77	10,221,495 43	.....
Amount paid managers, office help, etc	550,325 16	2,062,451 88	1,512,126 72	.....
Number affected by advance in wages	876	4,342	3,466	.....
Number affected by reduction in wages	2	348	346	.....
Average per cent. advance in wages..	9.9	8.2	.....	1.7
Average per cent. reduction in wages.	12	1.6	.....	10.4

* Question omitted.

MANUFACTURES.

On January 15th, 1902. the following blank was mailed to the various manufacturers of the State.

MANUFACTURES AND WAGE SCHEDULE FOR 1901.

1. Name of firm or company.....
2. Located in city or town of.....
3. Kind of goods made or articles manufactured.....
.....
4. Total value of all goods manufactured during the year 1901..... \$.....
(Include here the value of all goods manufactured during the year, whether sold or on hand, estimating value of goods on hand at selling price.)
5. Total value of goods sold during year 1901..... \$.....
6. Value of manufactured goods on hand January 1, 1902..... \$.....
(The value of articles "on hand" includes the value of all articles and products manufactured and unsold, whether in warehouses, at the factory, or shops, or in transit. Estimate on selling price.)
7. Total value of all stock or material used during the year 1901..... \$.....
(Give the cost price of all materials used in manufacturing the goods indicated in question 4.)
8. Total value of stock or materials on hand January 1, 1902..... \$.....
(See note to question 6.)
9. Total number of days in operation during 1901.....
(Give here the number of whole days in operation, adding parts of days worked to make whole days.)
10. Total amount paid in wages for year 1901..... \$.....
(Do not include salaried officials or office help in the above. Wage earners only.)
11. Capital invested \$.....
(Only actual capital invested is called for, but that should include the various amounts invested in land, buildings, fixtures, machinery, implements and tools, cash used in the business and not included in the foregoing items, and cash on hand or in bank. For corporations include in the foregoing only paid-up capital stock.)

12. OFFICE HELP.

Give total amount paid in Salary for each class per month.	Number Employed.	Total Amount Paid Per Month.
Managers and Foremen.....
Salesmen
Bookkeepers
Clerks
Stenographers

Sec. 309. The commissioner shall have power to send for persons and papers, to examine witnesses under oath, to take depositions, to cause them to be taken by others by law authorized to take depositions; and said commissioner may deputize any uninterested person to serve subpoenas upon witnesses, who shall be summoned in the same manner and paid the same fees as witnesses before a county court, but for this purpose persons are not required to leave the vicinity of their residence or place of business; and any person or owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop, manufacturing or other industrial establishment, or any agent or employe of such owner, operator, manager or lessee who shall refuse said commissioner admission therein for the purpose of inspection, or who shall, when requested by him, wilfully neglect or refuse to furnish to him any statistics or other information relative to his lawful duties which may be in their possession or under their control, or who shall wilfully neglect or refuse, for thirty days, to answer questions by circular or upon personal application, or who shall knowingly answer any such questions untruthfully, or who shall refuse to obey the subpoenas and give testimony according to the provisions of this act shall, for every such wilful neglect or refusal, be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine of not less than fifty nor more than five hundred dollars.

Sec. 310. The commissioner shall make an annual report to the general assembly of the work done by the bureau. Said report shall be so compiled so as not to expose, without a written consent, the name or private affairs of any person, firm, company or corporation that has furnished such information as the bureau requires.

TABLE I.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS
REPORTED, THE VALUE OF GOODS MANUFACTURED AND
SOLD IN 1901, THE VALUE OF MATERIALS USED,
THE VALUE OF MANUFACTURED GOODS AND
MATERIALS ON HAND JANUARY 1st, 1902,
WITH CAPITAL INVESTED.

TABLE Ia — MANUFACTURES — CLEVELAND.

Industries.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
Advertising novelties and signs.....	2	\$14,200 00	\$14,200 00	\$100 00	\$6,050 00	\$75 00	\$4,400
Awnings, tents and flags.....	5	179,500 00	216,521 00	43,974 00	140,931 00	63,474 00	238,400
Bags (paper and burlap).....	4	1,631,122 19	1,595,441 04	85,758 02	1,233,335 36	309,475 47	615,000
Bicycles, bicycle sundries and automobiles.....	7	1,086,048 19	955,970 77	145,575 00	480,635 85	224,085 62	726,647
Billiard tables, bar and store fixtures.....	5	255,000 00	245,500 00	18,400 00	136,500 00	26,000 00	115,000
Boilers, engines and tanks.....	8	2,892,507 65	2,842,478 00	851,400 00	119,897 12	14,153 24	2,623,500
Boots and shoes.....	4	660,970 00	700,270 00	18,110 00	364,830 00	89,410 00	295,150
Boxes (paper).....	5	259,136 24	261,642 57	10,549 94	118,253 65	38,114 91	116,750
Boxes (wooden).....	13	875,610 33	925,697 68	43,684 54	655,927 35	320,369 02	236,000
Bread and other bakery products.....	5	931,486 99	924,694 99	24,906 00	547,146 71	48,620 00	427,900
Brooms and brushes.....	29	161,200 00	188,200 00	10,000 00	82,500 00	26,300 00	28,500
Carriages and wagons.....	2	418,111 68	393,500 62	139,261 00	185,869 96	119,087 98	398,700
Carriage and wagon materials.....	46	89,100 54	88,818 85	3,515 36	34,970 50	19,269 48	65,000
Cigars.....	2	1,067,802 63	999,154 50	210,254 62	449,132 75	166,638 71	356,256
Clothes hangers and washboards.....	2	3,000 00	3,000 00	100 00	2,000 00	500 00	851,000
Clothing.....	66	7,478,944 48	7,478,526 33	454,839 23	3,781,070 89	988,180 45	1,951,863
Coffee, baking powder and spices.....	2	94,904 95	83,068 42	2,036 53	5,000 00	300 00	46,800
Confectionery.....	8	1,715,259 43	1,739,280 22	13,133 21	689,336 53	65,748 19	478,044
Cooperage.....	5	469,345 54	470,355 29	22,570 25	314,970 32	93,541 21	273,000
Copper and brass goods.....	18	1,356,068 36	1,409,911 35	144,995 57	731,080 54	103,693 60	908,942
Cotton and woolen goods (knit and woven).....	9	2,538,108 39	2,692,344 87	274,218 45	1,356,492 31	506,948 22	1,243,704
Drugs, chemicals and druggists' sundries.....	9	1,080,135 00	1,078,199 45	70,585 00	159,430 23	4,800 00	617,492
Electrical goods and supplies.....	17	3,482,796 24	2,735,686 59	436,311 16	1,672,831 24	465,050 39	11,949,533
Elevators and hoisting machinery.....	3	100,426 62	135,725 93	35,138 64	61,832 00	11,778 00	58,000
Extracts, toilet articles and perfumery.....	4	292,693 00	265,260 00	29,990 00	40,500 00	64,260 61	137,600
Fertilizers.....	2	446,500 00	579,000 00	103,090 00	235,400 00	125,500 00	180,000
Flouring mill products.....	4	754,890 00	772,000 00	44,000 00	435,880 00	18,100 00	465,000
Foundry and machine shop products.....	64	429,200 00	1,147,800 00	889,691 39	4,149,238 06	688,093 52	11,739,900
Furniture.....	7	217,500 00	290,105 50	34,600 00	198,497 66	47,000 00	106,148
Gunpowder and other explosives.....	12	423,200 00	398,765 23	16,422 43	323,637 67	41,359 80	508,000
Hardware.....	18	3,046,191 73	2,821,445 76	538,478 89	405,100 73	304,046 99	1,088,200
Harness and saddlery.....	5	63,393 01	69,386 62	15,025 56	35,962 14	5,965 76	20,500
Hats, caps and furnishings.....	8	549,451 00	582,981 00	25,300 00	297,579 35	55,600 00	166,000

4	Ice (artificial)	\$2,300 97	91,300 97	5,500 00	511,000 00
2	Iron (structural and architectural)	106,202 00	100,249 00	5,500 00	44,770 00
14	Jewelry	1,937,935 30	1,994,087 15	86,542 45	1,022,600 00
3	Leather and leather goods	21,025 75	20,982 25	432 30	6,803 00
2	Lighting apparatus	741,827 57	732,673 09	139,509 02	178,000 00
4	Lime sand, cement and plaster	92,000 00	79,000 00	11,000 00	36,600 00
9	Lithography, engraving and electrotyping	613,214 57	613,853 53	41,385 41	1,775,728 00
37	Machinery	330,389 84	343,040 84	50,747 33	155,725 00
3	Marble and granite	7,258,319 35	6,822,211 86	1,338,246 00	10,656,800 00
4	Mouldings and frames	356,600 00	139,550 00	21,580 00	115,000 00
14	Oil and grease	336,600 00	324,000 00	84,800 00	67,000 00
11	Paints and varnishes	4,858,133 87	5,537,266 23	318,943 25	4,885,100 00
5	Patterns and other models	3,802,070 60	3,835,522 77	707,919 74	1,995,100 00
2	Pianos and other musical instruments	115,345 13	115,345 13	5,000 00	62,500 00
5	Plating	96,000 00	88,000 00	3,500 00	64,000 00
8	Plumbing, steam and gas fitting supplies	21,000 00	21,000 00	100 00	5,000 00
50	Printing and binding	505,751 60	562,980 71	27,132 51	532,835 00
3	Pumps and water-wheels	1,911,839 65	1,862,992 89	311,046 53	1,057,400 00
3	Pumps	19,400 00	21,000 00	5,900 00	21,000 00
5	Roofing (iron, steel and tin)	36,500 00	36,500 00	100 00	9,500 00
5	Rugs and carpet cleaning	682,136 39	675,438 77	77,521 53	253,298 00
2	Salt	66,010 00	12,500 00	1,331 00	22,966 00
18	Sash, doors, lumber and interior finish	956,028 00	881,884 00	101,144 00	12,500 00
8	Slaughtering and meat packing	1,411,297 00	2,185,110 00	504,226 00	1,133,500 00
7	Soap, candles and tallow	4,974,580 67	4,678,388 30	58,485 00	1,253,500 00
6	Soda and mineral waters	109,344 75	25,000 00	145 00	97,600 00
5	Steel iron and tin	89,313 02	90,407 67	2,731 55	91,500 00
8	Stencils, stamps and seals	10,513,078 82	10,747,563 03	591,506 22	5,016,275 00
5	Stone (cut, sawed and artificial)	26,600 00	30,600 00	1,600 00	14,309 00
14	Stoves, ranges and furnaces	1,732,340 98	1,772,457 98	300,501 04	3,653,000 00
2	Strawboards and paper	3,152,290 00	3,005,734 04	346,092 00	1,613,400 00
14	Twine, sheet iron and galvanized ironware	180,983 58	107,732 93	1,201 35	21,308 65
10	Tools	740,103 47	715,747 77	48,664 00	93,630 00
5	Trunks and valises	1,110,249 90	1,146,227 11	126,922 79	508,300 00
5	Umbrellas and parasols	111,200 00	94,300 00	32,500 00	89,500 00
6	Wire rods, wire cloth and wire goods	109,500 00	107,800 00	11,900 00	39,500 00
48	Miscellaneous	1,339,384 00	957,881 47	180,859 03	651,200 00
752	Totals	\$101,884,576 49	\$100,776,758 02	\$10,542,340 60	\$79,199,989 00

Totals

TABLE 16 — MANUFACTURES — COLUMBUS.

Industries.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
Awnings, tents and flags.....	3	\$30,400 00	\$50,000 00	\$2,900 00	\$15,000 00	\$2,930 00	\$7,000
Billiard tables, bar and store fixtures.....	2	46,000 00	55,000 00	4,500 00	19,000 00	6,000 00	19,000
Boilers, engines and tanks.....	4	926,463 87	214,745 22	5,725 00	110,962 44	64,319 46	132,150
Boots and shoes.....	9	3,932,623 00	3,887,223 00	64,600 00	2,359,012 00	181,423 00	1,313,700
Boxes (paper).....	2	82,701 00	85,701 00	.....	50,624 00	17,647 63	44,000
Boxes (wooden).....	4	111,160 93	111,160 93	1,750 00	75,139 21	3,300 00	23,700
Bread and other bakery products.....	7	646,667 70	713,864 34	18,179 80	411,124 44	20,207 87	286,000
Carriages and wagons.....	15	2,656,093 84	2,407,987 47	308,256 87	1,387,106 24	322,737 92	235,019
Carriage and wagon materials.....	3	413,000 00	390,000 00	2,300 00	931,000 00	64,200 00	131,200
Cigars.....	16	246,731 80	245,483 01	9,630 63	102,670 79	23,432 40	73,055
Clothing.....	4	96,900 00	85,500 00	9,100 00	31,500 00	17,500 00	17,500
Coffee, baking powder and spices.....	2	361,533 57	974,278 16	46,308 13	222,172 75	46,306 13	51,500
Confectionery.....	4	133,100 00	243,606 00	14,860 00	91,100 00	25,400 00	59,438
Cotton and woolen goods (knit and woven).....	2	27,943 00	58,593 00	18,969 00	70,917 00	20,599 00	33,054
Drugs, chemicals and druggists' sundries.....	4	2,796,070 00	2,789,149 00	92,919 00	946,730 00	88,190 00	537,000
Flouring mill products.....	4	442,121 89	463,068 93	10,944 35	490,613 30	18,644 35	181,400
Foundry and machine shop products.....	16	2,196,344 81	2,100,361 27	214,453 59	857,558 00	178,248 88	1,851,500
Furniture.....	4	209,460 39	180,849 49	23,000 80	154,689 93	109,438 00	176,300
Gloves and mittens.....	2	88,668 80	68,849 87	14,818 93	75,366 80	28,787 87	17,950
Harness and saddlery.....	5	150,000 00	201,847 00	41,123 00	71,321 65	49,523 00	85,174
Ice (artificial).....	2	129,493 71	141,743 71	2,732 00	71,321 65	1,130 00	307,800
Iron (structural and architectural).....	4	420,719 00	387,819 00	33,900 00	239,349 37	25,515 93	81,650
Jewelry.....	2	96,947 50	73,652 86	66,566 40	21,500 00	95,765 10	156,500
Leather and leather goods.....	2	275,000 00	250,000 00	23,000 00	160,000 00	35,900 00	238,000
Lighting apparatuses.....	3	90,350 00	98,709 41	13,400 00	39,250 00	27,586 00	31,000
Lime, sand, cement and plaster.....	2	54,000 00	54,000 00	200 00	27,800 00	2,900 00	120,000
Lithographing, engraving and electrotyping.....	4	140,642 11	140,542 11	100 00	36,856 11	1,827 37	64,500
Machinery.....	6	2,337,605 98	2,862,005 98	129,216 20	962,359 76	431,212 50	1,386,600
Paints and varnishes.....	3	322,500 00	317,000 00	5,500 00	157,000 00	37,500 00	37,500
Printing and binding.....	22	572,241 85	484,014 69	51,066 11	274,063 85	82,880 39	339,169
Sash, doors, lumber and interior finish.....	10	531,751 88	448,925 31	54,428 57	330,337 00	82,991 57	271,257
Soap, candles and tallow.....	2	75,000 00	84,000 00	6,850 00	56,000 00	6,500 00	60,000
Soda and mineral waters.....	2	49,416 00	51,641 00	598 00	5,048 50	2,163 00	55,893

TABLE 1c.—MANUFACTURES—CINCINNATI.

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	Totals
Starch			87,009 00		78,500 00		14,500 00		10,500 00		14,300 00		34,500														
Steel, iron and tin			3,992,674 75		4,000,664 35		7,202 11						1,883,000														
Stone (cut, sawed and artificial)			340,713 00		335,464 00		4,781 00						197,500														
Stoves, ranges and furnaces			203,761 85		252,992 55		74,248 02						259,000														
Tinware, sheet iron and galvanized ironware			337,550 12		323,311 06		21,939 06						296,232														
Tools			179,405 30		181,670 73		9,918 46						469,100														
Trunks and valises			48,000 00		99,822 44								29,791														
Wire rods, wire cloth and wire goods			119,080 00		118,500 00		11,180 00						18,200														
Miscellaneous			2,109,418 71		2,183,519 83		84,140 30						1,150,010														
Totals	238	\$27,416,074 55	\$27,623,898 92	\$1,580,237 73	\$11,956,427 24	\$2,621,243 97	\$13,711,062																				
Advertising novelties and signs	5	\$73,300 00	\$120,500 00	\$5,500 00	\$19,450 00	\$11,500 00	\$41,000																				
Awnings, tents and flags	6	153,600 00	152,000 00	11,500 00	11,500 00	12,900 00	109,360																				
Bags (paper and burlap)	7	683,923 75	676,457 75	68,916 12	68,916 12	80,798 98	461,070 94																				
Billiard tables, bar and store fixtures	11	508,103 82	786,457 96	59,584 11	59,584 11	985,340 81	521,894 89																				
Boilers, engines and tanks	12	1,647,550 98	1,622,129 54	263,442 52	263,442 52	342,053 07	5,482,918 94																				
Boots and shoes	30	9,639,120 98	9,105,839 35	304,643 21	2,349 90	115,041 87	5,482,918 94																				
Boxes (paper)	8	279,093 11	304,643 21	2,349 90	2,349 90	30,016 43	3,474,599																				
Boxes (wooden)	15	248,523 20	843,229 13	25,206 05	25,206 05	111,827 87	262,479																				
Bread and other bakery products	20	1,703,539 61	1,714,157 48	55,358 22	55,358 22	89,308 30	782,913																				
Brooms and brushes	13	516,715 65	479,719 73	138,710 00	138,710 00	57,565 00	220,850																				
Bungs	3	241,815 00	300,000 00	38,581 00	38,581 00	94,510 00	185,000																				
Carriages and wagons	53	7,039,467 73	6,650,725 47	478,764 38	478,764 38	816,398 61	2,459,860																				
Carriage and wagon materials	16	846,629 45	800,762 72	69,106 76	69,106 76	119,160 00	185,000																				
Cigars	63	3,572,067 21	3,820,162 70	349,698 82	349,698 82	1,384,781 38	414,192																				
Clothing	113	12,753,534 63	13,963,462 36	2,226,211 56	2,226,211 56	7,824,826 80	6,352,616																				
Coffee, baking powder and spices	9	800,574 19	738,457 44	74,940 44	74,940 44	178,711 32	335,624																				
Coffins and burial cases	4	1,148,091 00	1,169,350 00	58,100 00	58,100 00	306,200 00	878,500																				
Confectionery	14	977,466 15	703,317 73	61,486 00	61,486 00	123,599 42	315,296																				
Copperage	12	936,631 90	905,803 75	34,893 00	34,893 00	135,500 00	900,100																				
Copper and brass goods	22	1,876,982 41	1,631,455 54	178,685 48	178,685 48	251,076 93	1,124,890																				
Cotton and woolen goods (knit and woven)	9	696,609 97	695,159 97	52,947 48	52,947 48	941,577 13	1,231,890																				
Drugs, chemicals and druggists' sundries	18	1,544,149 81	1,545,912 62	411,690 00	411,690 00	750,368 68	628,765																				
Electrical goods and supplies	8	1,196,807 00	1,238,745 90	109,249 28	109,249 28	760,137 27	976,700																				
Elevators and hoisting machinery	5	366,527 53	323,164 30	43,363 23	43,363 23	371,083 29	1,639,500																				
Extracts, toilet articles and perfumery	5	216,628 28	264,037 42	45,000 00	45,000 00	100,407 63	220,500																				
Filters	2	103,728 31	110,706 31	2,160 00	2,160 00	27,300 00	91,000																				
Flouring mill products	3	239,331 07	237,538 76	4,969 80	4,969 80	15,074 66	22,450																				
Foundry and machine shop products	26	2,759,717 96	2,549,949 67	127,360 45	127,360 45	7,748 15	136,900																				
Furniture	47	3,948,567 99	3,838,913 37	577,125 11	577,125 11	173,218 58	1,435,800																				
Furs	2	42,463 39	3,838,913 37	19,700 00	19,700 00	586,959 57	4,091,023																				
Gunpowder and other explosives	2	1,716,113 40	1,698,729 52	118,988 47	118,988 47	128,264 95	1,000,000																				
Hardware	4	364,558 24	365,058 45	45,638 63	45,638 63	30,609 11	114,900																				
Harness and saddlery	12	1,149,124 00	1,176,221 00	254,492 00	254,492 00	769,880 00	769,880																				
Hats, caps and furnishings	15	948,039 08	1,002,823 74	72,136 34	72,136 34	152,850 54	271,798																				

TABLE 1d — MANUFACTURES — DAYTON.

	5	1,067,930 00	1,031,380 00	7,300 00	703,580 00	63,731 23	214,557
Tobacco (chewing and smoking).....							2,293,592
Tools	34	2,849,732 11	2,728,922 55	364,295 27	933,775 14	555,026 70	75,500
Trunks and valises.....		182,900 00	213,800 00	28,800 00	61,660 00	23,000 00	6,500
Wire rods, wire cloth and wire goods.....	2	21,758 00	21,758 00	2,000 00	12,146 00	2,000 00	1,239,227
Miscellaneous	40	3,213,955 82	3,362,967 41	238,444 38	2,113,406 54	349,515 91	
Totals	1,122	\$116,505,455 39	\$117,724,595 14	\$13,119,250 30	\$64,959,212 45	\$15,135,293 17	\$72,320,700

Advertising novelties and signs.....	4	\$14,140 88	\$25,775 63	\$3,516 37	\$80,476 37	\$13,992 66	\$63,000
Agricultural implements	4	1,134,935 52	1,103,395 18	288,317 17	502,438 33	334,166 00	794,000
Awnings, tents and flags.....	3	30,000 00	26,800 00	2,500 00	20,800 00	2,300 00	7,700
Boilers, engines and tanks.....	6	1,021,799 41	1,206,241 75	70,429 50	525,228 35	177,040 14	314,500
Boxes (paper)	4	616,000 00	621,000 00	49,200 00	356,000 00	108,000 00	288,500
Boxes (wooden)	4	164,573 63	170,423 63	650 00	93,854 80	31,100 00	61,374
Bread and other bakery products.....	5	275,490 00	204,523 00	6,311 00	148,738 90	17,419 80	82,698
Creams and brushes.....	3	17,436 00	15,966 00	3,020 00	9,501 36	1,470 00	4,850
Carriages and wagons.....	8	280,334 83	240,735 83	43,600 00	131,063 96	32,300 00	152,000
Carriage and wagon materials.....	8	373,018 00	369,068 00	5,000 00	188,124 00	117,994 00	310,000
Cigars	23	894,608 50	845,739 04	68,652 91	438,763 68	215,397 85	405,723
Clothing	4	305,582 49	329,165 63	99,073 92	183,636 68	52,170 50	161,300
Coffee, baking powder and spices.....	3	1,011,000 00	1,075,500 00	38,500 00	831,000 00	72,000 00	247,000
Confectionery	2	25,779 10	25,779 11	100 00	10,000 00	500 00	3,000
Cooperage	2	18,700 00	20,700 00	120 00	11,000 00	600 00	4,700
Copper and brass goods.....	2	264,639 00	396,458 00	5,000 00	164,548 00	147,100 00	100,860
Drugs, chemicals and druggists' sundries.....	2	169,366 04	164,311 04	21,173 00	35,024 50	30,787 00	105,000
Electrical goods and supplies.....	4	149,867 98	111,143 70	41,424 34	127,562 13	43,674 34	79,900
Extracts, toilet articles and perfumery.....	2	168,000 00	61,000 00	29,000 00	48,000 00	36,000 00	118,000
Flouring mill products.....	4	587,519 37	609,631 07	6,208 00	575,574 93	19,455 30	180,000
Foundry and machine shop products.....	19	10,800,921 73	10,910,271 39	866,542 10	3,894,654 69	1,332,250 13	9,130,100
Furniture	2	609,840 09	559,705 09	80,692 00	346,654 69	188,142 69	672,000
Harness and saddlery.....	2	14,500 00	30,000 00	9,500 00	4,420 00	4,200 56	32,080
Iron (structural and architectural).....	12	22,000 00	22,000 00	500 00	5,000 00	2,350 00	27,500
Machinery	3	3,506,972 26	2,472,406 77	237,873 54	1,593,876 32	390,178 08	2,358,524
Mattresses and pillows.....	5	38,898 45	38,898 45	1,000 00	34,251 48	1,874 25	10,000
Paints and varnishes.....	5	549,636 75	492,735 33	123,063 76	353,670 47	75,469 44	435,000
Patterns and models.....	2	9,498 59	9,498 59	.....	1,632 40	.....	2,950
Printing and binding.....	21	763,396 17	652,128 36	22,664 35	221,099 74	120,458 16	548,040
Sash, doors, lumber and interior finish.....	6	637,000 00	706,000 00	47,750 00	366,100 00	96,082 43	244,600
Slaughtering and meat packing.....	2	800,987 85	750,987 85	58,000 00	741,113 63	76,320 93	243,000
Soap, candles and tallow.....	6	978,790 85	959,035 62	53,289 90	638,377 06	74,068 13	242,194
Soda and mineral waters.....	4	17,440 00	23,880 00	310 00	12,530 00	1,820 00	22,000
Stone (cut, sawed and artificial).....	2	71,547 88	71,547 88	.....	39,908 42	.....	44,100
Stoves, ranges and furnaces.....	2	80,000 00	294,532 92	67,373 25	66,000 00	12,700 00	110,000
Strawboards and paper.....	7	727,286 70	763,590 39	44,229 50	417,209 17	50,485 67	355,000
Tinware, sheet iron and galvanized ironware.....	4	114,422 15	110,588 65	3,562 92	70,114 59	14,578 91	95,000
Tobacco (chewing and smoking).....	3	387,729 00	145,000 00	5,000 00	22,760 00	6,071 00	154,100

TABLE 1d — MANUFACTURES — DAYTON — Concluded.

Industries.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
Tools	5	78,000 00	76,540 00	3,035 00	32,044 00	5,985 00	55,560
Wire rods, wire cloth and wire goods	2	5,900 00	10,370 00	230 00	3,500 00	4,000	500
Miscellaneous	23	1,215,778 27	1,233,927 77	142,906 77	570,163 10	272,269 49	987,160
Totals	229	\$29,225,427 49	\$28,086,604 67	\$2,555,419 30	\$13,809,893 25	\$4,184,991 62	\$19,256,990

TABLE 1e — MANUFACTURES — TOLEDO.

Awings, tents and flags	2	\$160,100 00	\$160,100 00	.....	\$96,835 55	\$29,541 95	\$160,000
Rain cabinets	3	171,764 00	167,135 00	\$10,560 00	97,346 00	18,150 00	37,400
Bicycles, bicycle sundries and automobiles	8	2,065,103 00	1,778,000 00	177,200 00	1,031,300 00	547,100 00	2,917,300
Billiard tables, bar and store fixtures	3	284,280 00	81,280 00	60,000 00	190,150 00	50,100 00	387,000
Boilers, engines and tanks	4	512,982 00	512,982 00	.....	236,871 33	22,740 03	689,000
Boxes (paper)	2	40,000 00	39,500 00	500 00	5,000 00	4,300 00	14,000
Boxes (wooden)	4	75,000 00	71,950 00	3,050 00	45,500 00	12,370 00	40,500
Bread and other bakery products	5	307,250 00	338,725 00	8,758 00	188,405 00	19,300 00	175,476
Brooms and brushes	6	246,902 71	249,890 47	27,451 09	53,544 60	41,145 68	133,579
Carriages and wagons	11	935,723 24	924,915 75	184,432 49	505,926 95	774,693 41	763,215
Carriage and wagon materials	4	435,550 21	434,430 21	27,500 00	232,420 56	49,500 00	245,000
Cigars	19	453,184 05	240,822 50	336,414 05	136,337 94	19,704 35	45,534
Clothing	7	857,307 39	931,220 03	10,737 39	596,728 46	71,161 47	179,340
Coffee, baking powder and spices	2	5,208,710 00	6,167,900 00	655,312 00	180,000 00	783,500 00	260,000
Cooperage	4	113,195 16	86,823 00	28,156 10	52,220 81	15,406 67	71,607
Copper and brass goods	2	27,000 00	12,000 00	.....	4,500 00	3,050 00	2,000
Cotton and woolen goods (knit and woven)	3	205,223 74	163,611 62	37,708 40	122,020 14	26,982 47	60,000
Drugs, chemicals and druggists' sundries	5	240,317 72	222,239 12	15,083 60	55,603 31	5,141 83	58,350
Extracts, toilet articles and perfumery	3	26,334 00	41,846 00	1,450 00	10,225 00	5,700 00	32,000
Flouring mill products	7	3,452,513 35	3,328,748 34	506,510 01	3,237,673 81	81,967 93	671,000
Foundry and machine shop products	14	2,309,672 29	2,157,027 63	157,546 07	806,127 72	255,188 99	1,205,930

TABLE If — MANUFACTURES — CITIES.

	10	403,869 37	540,805 57	38,473 80	223,934 55	110,541 45	279,038
Furniture	3	40,000 00	43,000 00	8,000 00	17,300 00	4,300 00	30,000
Harness and saddlery.....	3	1,270,000 00	1,243,000 00	27,000 00	686,000 00	42,000 00	203,846
Iron (structural and architectural).....	2	95,000 00	101,000 00	500 00	35,800 00	1,300 00	94,000
Lime, sand, cement and plaster.....	9	647,075 38	653,572 43	56,028 33	210,884 07	36,148 24	440,450
Marble and granite.....	2	72,372 26	66,000 00	13,470 80	.....	5,587 74	47,000
Mattresses and pillows.....	6	40,000 00	40,000 00	.....	26,000 00	12,000 00	16,000
Oil and grease.....	3	1,977,615 43	1,399,274 75	401,355 92	1,352,523 37	58,722 88	1,190,000
Paints and varnishes.....	3	15,422 96	200,422 96	70,402 12	136,552 98	76,402 12	106,450
Printing and binding.....	18	288,213 84	298,803 07	16,466 84	118,437 56	14,932 71	203,000
Pumps and water-wheels.....	4	123,000 00	123,000 00	13,000 00	64,000 00	8,000 00	42,000
Sash, doors, lumber and interior finish.....	13	603,378 25	984,437 21	38,490 34	617,585 36	220,615 02	477,400
Soap, candles and tallow.....	2	92,005 72	96,826 33	4,709 52	71,192 59	7,257 10	48,000
Steel, iron and tin.....	3	81,760 00	60,975 00	2,710 00	35,272 05	24,688 00	67,200
Soda and mineral waters.....	2	520,052 12	498,621 97	53,230 30	430,012 17	56,801 45	70,000
Stencils, stamps and seals.....	5	16,200 00	16,150 00	50 00	3,750 00	725 00	4,500
Stoves (cut, sawed and artificial).....	2	218,937 78	292,650 41	6,372 63	106,902 63	27,376 66	185,000
Stoves, ranges and furnaces.....	2	86,500 00	85,000 00	2,500 00	61,500 00	18,300 00	125,000
Tinware, sheet iron and galvanized ironware.....	11	382,035 11	375,000 87	58,822 38	261,422 35	79,853 40	185,650
Tools.....	2	15,484 00	14,484 00	1,700 00	4,000 00	1,500 00	8,000
Wire rods, wire cloth and wire goods.....	3	37,000 00	37,000 00	1,150 00	10,200 00	2,150 00	27,000
Miscellaneous	29	2,294,968 74	2,253,140 34	118,679 73	1,659,127 27	167,032 16	698,427
Totals	253	\$27,843,964 40	\$27,696,606 24	\$3,199,542 00	\$14,057,134 13	\$3,821,963 71	\$12,679,192

Advertising novelties and signs.....	4	\$206,503 76	\$182,455 50	\$21,271 19	\$109,650 03	\$30,882 72	\$57,622
Agricultural implements.....	27	9,367,269 11	9,332,950 20	1,713,054 69	4,456,392 92	1,602,234 04	8,393,050
Awnings, tents and flags.....	3	17,987 00	17,159 50	1,300 00	9,465 00	4,865 00	8,850
Bags (paper and burlap).....	2	499,240 00	466,049 00	32,260 00	339,150 00	22,806 00	350,000
Baskets.....	3	34,262 73	32,578 73	2,684 00	6,303 27	3,508 75	20,000
Bicycles, bicycle sundries and automobiles.....	11	987,544 71	933,856 36	192,968 13	421,576 91	200,780 08	565,164
Billiard tables, bar and store fixtures.....	2	42,451 25	37,216 04	4,035 21	15,648 44	9,750 00	18,000
Boilers, engines and tanks.....	45	6,477,047 07	6,189,534 18	700,210 91	2,983,481 57	894,267 41	5,856,173
Boots and shoes.....	12	5,241,591 25	5,235,591 25	190,979 07	3,335,746 30	961,994 55	1,346,030
Boxes (paper).....	9	221,981 70	124,134 85	15,153 00	100,806 85	16,281 00	75,500
Boxes (wooden).....	14	468,783 54	466,888 92	9,801 25	276,395 69	83,043 80	292,302
Bread and other bakery products.....	27	998,266 76	1,041,637 07	14,462 57	690,785 52	86,106 31	386,580
Brooms and brushes.....	18	442,110 44	424,366 44	41,469 00	281,912 21	109,188 00	262,400
Canned goods.....	7	656,728 69	594,337 37	114,773 49	397,543 62	60,125 43	371,789
Carriages and wagons.....	85	3,484,089 74	3,245,542 53	680,844 37	1,710,664 38	1,123,008 21	2,083,672
Carriage and wagon materials.....	26	1,594,078 12	1,525,539 70	82,629 30	800,601 89	218,782 03	995,400
Cars and car furnishings.....	3	488,303 34	380,405 97	107,897 37	240,766 63	179,340 17	289,400
Cheewing gum.....	2	97,977 10	103,970 05	5,254 92	65,458 03	13,545 18	16,175
Cigars.....	134	1,834,494 15	1,790,058 01	117,956 52	635,440 34	232,749 10	611,889
Clothing.....	23	47,149 18	1,196,266 45	99,607 27	722,675 45	143,766 24	629,648
Clothes wringers and washboards.....	3	206,544 86	46,388 43	9,260 75	17,572 74	11,260 75	32,916
Coffee, baking powder and spices.....	5	45,183 88	43,452 99	1,980 89	35,543 66	3,301 55	35,000
Coffins and burial cases.....	5	425,961 42	470,337 75	103,603 64	224,006 81	139,653 13	387,250

TABLE If—MANUFACTURES—CITIES—Concluded.

Industries.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
Confectionery	15	238,911 27	337,639 96	12,511 31	162,723 28	22,417 06	157,971
Cooperage	23	860,573 87	783,638 63	115,035 53	421,233 42	120,495 44	426,902
Copper and brass goods	11	801,703 11	783,897 60	121,047 34	600,652 63	87,802 60	336,050
Cordage and twine	3	1,598,971 50	1,488,422 19	215,275 82	1,420,212 00	903,316 81	470,000
Cotton and woolen goods (knit and woven)	12	746,698 20	755,340 24	83,674 35	379,409 86	130,573 75	750,000
Cutlery and edge tools	6	672,263 36	636,000 42	234,931 93	226,110 12	125,885 80	694,000
Dairy products	2	407,000 00	407,000 00	8,000 00	54,000 00	8,000 00	64,000
Drugs, chemicals and druggists' sundries	14	493,140 65	526,903 00	62,092 65	244,731 74	50,409 00	389,714
Electrical goods and sundries	19	1,564,534 12	1,490,118 37	265,690 19	710,488 91	251,719 56	1,304,733
Extracts, toilet articles and perfumery	8	327,230 13	303,870 60	34,775 68	134,888 21	84,113 07	339,632
Fertilizers	7	510,705 04	467,718 35	10,445 86	393,548 66	58,408 50	444,200
Fire extinguishers	2	799,931 66	772,482 30	165,017 06	596,032 89	156,501 86	3,220,000
Flouring mill products	72	15,638,157 06	15,471,772 30	912,032 30	18,130,125 42	1,754,007 08	5,472,642
Foundry and machine shop products	71	7,551,124 02	7,411,205 92	520,757 12	3,733,184 54	1,436,718 38	4,478,153
Furniture	34	2,157,185 04	2,028,242 23	281,293 06	801,837 37	493,624 22	1,406,184
Glass workers' supplies	3	76,000 00	138,358 00	54,208 00	02,808 00	75,653 00	113,800
Gloves and mittens	8	171,107 00	169,192 05	17,000 00	478,423 00	23,200 00	130,000
Gunpowder and other explosives	7	739,148 62	312,896 97	23,178 75	473,639 73	65,971 42	389,000
Hardware	9	990,248 57	913,526 01	170,545 61	346,968 53	63,022 95	481,500
Harness and saddlery	13	270,717 06	236,908 78	89,394 78	101,354 11	70,629 63	140,733
Ice (artificial)	18	262,922 13	284,952 13	28,846 00	23,433 57	2,156 00	616,456
Iron (structural and architectural)	16	2,919,301 02	2,904,611 40	53,389 02	1,688,550 50	233,120 15	881,610
Jewelry	3	1,527,028 87	1,428,724 76	98,304 11	379,300 00	59,166 42	850,000
Leather and leather goods	13	1,199,414 63	1,251,546 02	113,562 34	1,029,434 36	305,425 79	405,328
Lighting apparatus	2	214,630 37	223,494 50	75,932 69	113,791 35	51,894 90	194,500
Lime, sand, cement and plaster	23	706,053 09	715,277 60	32,291 41	151,295 96	20,187 41	2,414,100
Lithography, engraving and electrotyping	57	94,525 73	90,634 36	6,174 00	39,353 65	4,421 10	55,100
Machinery	3	12,637,096 57	12,019,341 47	1,603,221 90	5,881,516 06	1,961,438 72	6,438,598
Malt	3	490,871 14	397,536 48	104,884 66	346,334 85	36,500 00	207,000
Marble and granite	11	181,523 58	177,162 21	32,069 45	94,048 13	36,472 46	81,447
Mattresses and pillows	8	308,637 77	307,790 84	250 00	172,592 36	40,921 15	78,015
Oil cloth and window shade cloth	2	390,759 41	397,383 85	58,181 44	233,967 35	144,870 60	331,000
Oil and grease	2	3,263,215 13	3,761,699 40	891,377 25	2,004,311 42	1,445,206 23	600,000

TABLE Ig — MANUFACTURES — TOWNS AND VILLAGES.

		239,061 71	239,060 03	32,205 40	178,242 55	58,922 54	406,700
Paints and varnish.....	6	78,370 30	77,670 36	1,850 00	9,152 97	1,072 60	20,312
Patterns and models.....	7	434,777 70	411,430 43	74,463 55	181,278 85	104,009 56	208,711
Pictures and other musical instruments.....	9	82,161 11	88,691 11	3,560 00	16,000 00	6,000 00	46,000
Pickles, preserves and sauces.....	2	16,337 82	16,337 82	.....	2,315 75	850 00	7,775
Plating.....	7	732,042 63	677,888 90	95,044 41	384,702 01	70,911 23	606,000
Pumping, steam and gas fitting supplies.....	139	238,238 40	238,595 15	6,708 25	132,580 20	18,190 05	230,000
Potters' supplies.....	3	438,682 36	3,140,125 12	112,360 84	1,277,011 10	716,928 61	5,208,853
Printing and binding.....	12	461,730 64	480,474 07	52,513 85	203,635 95	24,601 52	238,500
Rolling (iron, steel and tin).....	11	5,763,405 91	5,382,064 88	73,020 29	382,743 87	129,732 10	228,500
Rubber goods.....	2	2,000,581 05	2,248,390 33	433,964 37	3,067,727 27	710,702 59	4,468,584
Sails.....	3	117,057 80	107,417 80	205,400 84	849,174 35	280,123 07	1,530,660
Sash, doors, lumber and interior finish.....	9	3,342,407 13	3,515,954 34	10,230 00	27,556 00	5,000 00	140,000
Slaughtering and meat packing.....	13	175,334 00	164,534 00	417,326 69	2,176,376 08	1,116,207 30	2,706,397
Soap, candles and tallow.....	30	679,327 78	666,002 78	14,500 00	135,237 45	6,000 00	34,800
Soda and mineral waters.....	32	151,389 55	164,500 00	40,739 70	547,267 19	45,490 74	241,000
Steel, iron and tin.....	5	49,443,008 29	50,362,824 37	3,903 80	15,586 42	7,136 00	136,700
Stencils, stamps and seals.....	2	6,000 00	6,000 00	1,482,373 80	15,876,132 97	1,580,239 46	20,464,433
Stone (cut, sawed and artificial).....	12	472,337 41	449,063 53	50 00	1,300 00	600 00	2,400
Stoves, ranges and furnaces.....	30	4,274,236 42	3,040,238 31	26,573 88	56,425 22	9,675 84	1,031,368
Strawboards and paper.....	24	4,316,682 01	4,713,822 07	485,474 11	1,179,709 78	335,546 07	2,259,700
Tinware, sheet iron and galvanized ironware.....	20	2,403,351 72	2,370,595 11	150,008 88	2,879,314 91	324,001 81	4,213,652
Tobacco (chewing and smoking).....	15	2,697,660 43	2,436,875 37	15,296 87	1,368,643 28	252,957 66	869,875
Tools.....	6	2,347,206 12	2,324,415 02	499,197 28	1,698,235 32	152,040 78	696,339
Umbrellas and parasols.....	2	120,000 00	127,400 00	141,148 62	882,138 27	551,165 56	2,604,650
Wire rods, wire cloth and wire goods.....	6	2,204,216 25	2,163,802 34	4,000 00	88,000 00	30,000 00	73,600
Miscellaneous.....	37	1,522,223 68	1,321,133 86	78,061 40	1,325,131 74	110,636 15	420,300
Totals.....	1,505	\$182,787,761 94	\$182,294,223 98	\$15,538,555 46	\$39,855,139 30	\$21,580,489 84	\$103,258,105

Advertising novelties and signs.....	4	\$745,330 05	\$703,500 00	\$42,033 05	\$407,690 14	\$110,600 00	\$561,000
Agricultural implements.....	11	1,173,639 91	1,111,823 15	153,397 87	508,350 65	377,247 83	612,000
Baskets.....	6	229,239 80	210,150 91	30,788 89	87,462 59	19,348 27	199,800
Billiard tables, bar and store fixtures.....	2	33,000 00	33,000 00	.....	19,252 00	1,520 00	4,000
Boilers, engines and tanks.....	8	687,630 39	564,037 57	124,457 88	391,446 93	138,782 89	209,550
Boots and shoes.....	3	75,739 75	79,962 96	4,185 00	41,651 14	6,973 00	47,600
Boxes (wooden).....	4	295,808 95	46,808 95	58,300 00	158,288 54	79,701 54	117,000
Bread and other bakery products.....	2	20,301 07	19,950 07	391 00	14,821 37	750 00	4,800
Brooms and brushes.....	4	218,404 46	227,148 83	8,399 30	155,609 52	26,682 78	100,000
Canned goods.....	18	305,227 01	272,163 06	41,259 25	218,863 07	35,030 05	236,190
Carriages and wagons.....	39	1,788,128 33	1,788,036 31	91,400 30	913,286 49	613,508 51	914,049
Carriage and wagon materials.....	10	2,639,445 27	2,290,715 54	182,672 70	1,492,880 21	518,272 39	1,372,157
Cigars.....	22	169,676 75	168,618 77	17,806 69	71,925 04	21,491 01	63,188
Clothing.....	5	167,010 00	220,100 00	48,660 00	106,136 00	45,305 00	46,000
Cooperage.....	34	1,451,733 38	1,345,266 55	455,100 13	990,963 37	482,875 30	1,635,294
Copper and brass goods.....	2	10,302 16	9,991 71	2,310 45	3,984 12	1,065 93	15,698
Cotton and woolen goods (knit and woven).....	11	770,914 19	637,823 26	209,312 13	480,401 85	171,468 63	542,200
Drugs, chemicals and druggists' sundries.....	3	282,095 84	279,095 84	1,000 00	89,087 49	3,000 00	118,808

TABLE Ig—MANUFACTURES—TOWNS AND VILLAGES—Concluded.

Industries.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
Electrical goods and supplies.....	4	131,000 00	119,800 00	9,750 00	40,300 00	10,200 00	134,000
Flouring mill products.....	74	3,211,376 94	3,236,437 32	132,856 56	2,655,104 82	206,025 40	1,420,916
Foundry and machine shop products.....	87	5,163,417 37	4,954,657 24	433,353 26	2,741,942 55	503,824 03	3,451,439
Furniture.....	26	1,038,751 81	1,020,332 80	118,567 73	414,029 50	193,692 19	561,050
Gloves and mittens.....	2	35,000 00	38,000 00	840 00	22,762 95	5,956 96	19,200
Gunpowder and other explosives.....	2	78,571 53	75,946 53	2,625 00	42,579 48	1,921 59	52,000
Hardware.....	4	1,108,003 42	987,908 95	283,312 89	419,515 54	107,285 65	562,000
Harness and saddlery.....	9	248,200 00	236,802 97	25,550 00	111,260 00	19,400 00	111,550
Hollow ware.....	2	185,000 00	175,000 00	25,000 00	85,000 00	25,000 00	103,000
Ice (artificial).....	2	13,000 00	12,000 00	400 00	5,000 00	300 00	23,000
Iron (structural and architectural).....	2	229,038 00	240,000 00	14,000 00	158,000 00	61,000 00	89,000
Leather and leather goods.....	3	339,036 29	301,167 54	39,068 75	233,128 76	116,819 01	181,000
Lime, sand, cement and plaster.....	15	677,266 15	668,764 11	26,497 12	365,564 01	53,686 55	1,523,910
Machinery.....	32	1,067,301 01	1,054,231 96	262,264 87	685,169 23	168,798 41	1,613,406
Matches.....	3	1,419,697 88	1,409,540 18	24,666 42	892,326 77	365,242 43	1,193,000
Paints and varnishes.....	2	169,720 10	159,650 05	45,288 98	116,294 50	21,590 34	56,000
Pianos and other musical instruments.....	2	58,812 14	52,021 06	28,083 00	16,037 35	15,000 24	50,200
Printing and binding.....	17	72,139 77	68,876 82	2,325 00	18,903 59	4,814 00	73,650
Rubber goods.....	4	375,736 13	409,226 13	26,026 00	387,050 90	26,026 00	150,267
Rubber goods.....	2	341,589 62	322,211 13	24,372 43	222,207 14	30,249 06	119,000
Salt.....	8	456,841 88	443,580 88	12,150 00	219,763 22	19,108 96	263,000
Sash, doors, lumber and interior finish.....	74	1,682,141 14	2,026,824 84	259,805 71	1,004,880 32	489,587 24	1,217,822
Soda and mineral waters.....	8	28,841 57	29,636 57	1,080 00	10,092 10	1,110 00	73,865
Steel (iron and tin).....	2	19,174,155 62	20,219,674 39	815,025 08	4,087,086 78	593,823 56	7,503,817
Stone (cut, sawed and artificial).....	7	28,198 00	239,312 36	6,667 41	18,000 00	2,917 41	446,075
Stoves, ranges and furnaces.....	4	76,327 35	110,112 36	13,864 04	59,415 78	18,227 48	62,904
Strawboards and paper.....	16	2,732,705 47	3,019,518 50	232,965 01	1,805,144 95	405,006 40	1,523,110
Tinware, sheet iron and galvanized ironware.....	8	401,511 64	507,861 61	71,893 93	329,389 77	13,488 48	473,400
Tools.....	6	304,682 68	245,313 01	27,066 13	63,716 13	10,846 43	414,215
Whips.....	2	246,155 13	222,297 84	51,557 70	83,646 45	44,432 40	119,327
Wire rods, wire cloth and wire goods.....	8	88,070 00	788,400 00	1,000 00	200,000 00	14,000 00	270,000
Miscellaneous.....	34	3,160,877 11	3,161,569 19	293,272 89	1,732,415 48	255,679 00	1,944,851
Totals.....	631	\$56,551,187 46	\$56,482,925 10	\$1,856,750 25	\$25,206,686 08	\$6,542,743 28	\$32,249,723

TABLE 1h — MANUFACTURES — STATE.

Advertising novelties and signs.....	19	\$1,180,474 69	\$1,149,434 13	\$73,290 61	\$500,316 54	\$172,050 38	\$757,022
Agricultural implements.....	42	11,675,844 54	12,148,168 53	2,154,769 73	5,467,281 90	2,313,647 87	9,704,050
Awnings, tents and flags.....	22	571,587 00	603,180 50	62,174 00	356,281 55	115,310 95	621,210
Bags (paper and burlap).....	13	2,715,583 94	2,737,947 79	186,934 14	2,083,562 00	413,170 45	1,122,900
Baskets.....	9	263,502 53	242,729 64	33,472 89	93,765 86	22,857 62	219,800
Bath cabinets.....	3	171,764 00	167,135 00	10,560 00	97,346 00	18,150 00	37,400
Bicycles, bicycle sundries and automobiles.....	24	4,128,692 90	3,617,327 13	515,743 18	1,933,562 76	971,965 70	4,204,111
Billiard tables, bar and store fixtures.....	25	1,228,835 07	1,241,453 60	146,469 32	683,891 25	195,957 16	808,028
Boilers, engines and tanks.....	87	12,865,992 77	12,512,148 86	1,841,887 43	4,880,422 63	1,390,541 05	10,334,973
Boots and shoes.....	58	19,500,014 58	19,071,886 56	541,316 59	11,584,157 98	2,082,205 62	6,477,979
Boxes (paper).....	30	1,502,007 05	1,436,711 63	77,752 84	805,712 37	214,350 97	811,229
Boxes (wooden).....	38	2,838,982 58	2,636,159 20	142,441 84	1,066,943 16	611,630 84	1,084,378
Bread and other bakery products.....	73	4,884,993 13	4,927,551 95	193,966 59	2,816,017 24	980,912 28	2,146,364
Brooms and brushes.....	49	1,692,769 26	1,555,201 47	249,049 39	888,167 69	262,351 46	750,279
Bungs.....	3	241,805 00	300,000 00	38,581 00	168,526 00	94,510 00	185,000
Canned goods.....	25	961,955 70	866,330 43	156,032 74	616,406 69	95,155 48	607,979
Carriages and wagons.....	240	16,653,862 39	15,662,443 98	1,931,618 91	8,186,712 08	3,801,829 64	8,006,515
Carriage and wagon materials.....	75	6,290,801 62	5,899,335 02	372,814 04	3,389,421 20	1,097,178 80	3,512,949
Cars and car furnishings.....	3	488,303 34	380,405 97	107,897 37	240,766 63	179,340 17	280,400
Cheating gum.....	2	97 10	103,979 05	5,254 92	65,458 03	13,545 18	16,175
Cigars.....	328	8,223,505 23	7,810,038 53	1,110,414 21	3,204,051 92	1,267,097 54	2,812,046
Clothing.....	227	22,855,723 85	24,213,240 80	2,948,229 37	13,106,574 28	3,503,638 22	9,588,767
Clothes wringers and washboards.....	5	59,140 18	49,388 43	9,300 75	19,573 74	11,760 75	383,016
Coffee, baking powder and spices.....	28	7,471,986 59	8,392,757 01	819,145 99	1,984,055 59	1,084,200 30	975,924
Coffins and burial cases.....	9	1,574,052 42	1,640,187 75	161,703 64	730,606 81	445,853 13	1,265,750
Confectionery.....	43	3,095,515 95	3,069,817 62	102,080 52	1,692,284 91	237,659 67	1,011,049
Cooperage.....	80	3,859,178 85	3,611,932 24	655,095 06	2,306,221 86	857,418 62	3,311,710
Copper and brass goods.....	57	4,366,785 04	4,554,713 60	492,038 84	2,446,322 42	503,788 46	2,488,410
Cordage and twine.....	3	1,598,971 50	1,488,422 19	215,275 82	1,430,212 05	203,316 81	470,400
Cotton and woolen goods (knit and woven).....	46	5,054,100 58	4,942,821 46	671,829 90	2,876,312 05	952,515 40	3,964,192
Cutlery and edge tools.....	6	673,263 36	636,009 42	224,931 93	290,110 17	128,882 80	604,000
Dairy products.....	6	407,000 00	407,000 00	8,000 00	54,000 00	64,000 00	64,000
Drugs, chemicals and druggists' sundries.....	57	6,695,275 06	6,595,510 07	677,536 25	2,800,965 95	648,037 92	2,902,974
Electrical goods and supplies.....	52	6,515,005 34	5,745,304 56	862,284 07	3,312,942 00	1,147,737 58	15,077,671
Elevators and hoisting machinery.....	8	466,954 15	458,890 23	78,551 87	282,949 61	56,841 83	273,500
Extracts.....	22	940,845 46	936,013 41	139,215 66	340,030 84	217,473 68	738,232
Fertilizers.....	9	957,205 94	1,039,718 35	122,505 80	673,948 66	183,068 50	604,200
Filters.....	2	108,728 31	110,708 31	2,100 00	61,843 64	13,714 99	95,430
Fire extinguishers.....	2	720,931 66	772,589 30	165,917 96	596,062 84	156,502 06	3,250,000
Flouring mill products.....	168	24,325,940 58	24,792,082 11	1,618,451 03	20,717,831 41	2,100,503 91	8,530,885
Foundry and machine shop products.....	207	44,320,764 52	42,185,353 60	3,217,708 08	17,385,900 93	3,498,053 61	83,236,572
Furniture.....	134	8,634,751 69	8,384,471 69	1,138,752 00	3,688,454 40	1,731,308 12	7,291,757
Furs.....	2	42,463 39	42,463 39	.....	43,708 00	3,300 00	9,000
Glass workers' supplies.....	2	959,775 80	158,968 00	54,208 00	62,808 00	75,655 00	113,800
Gloves and mittens.....	7	289,775 80	276,041 92	32,298 03	130,174 75	57,444 88	167,150
Gunpowder and other explosives.....	13	2,009,683 21	2,085,401 52	160,274 63	1,097,000 72	237,510 70	1,941,000
Hardware.....	30	4,508,367 07	5,087,739 17	1,037,675 92	1,274,649 53	304,964 67	2,120,807
Harness and saddlery.....	20	1,463,777 07	1,384,115 37	442,963 34	588,307 94	306,740 95	1,189,897
Hair, caps and furnishings.....	23	1,497,570 08	1,395,804 74	97,466 34	598,756 35	207,850 54	437,798
Hollow ware.....	2	185,000 00	175,000 00	25,000 00	85,000 00	25,000 00	103,000

TABLE 1b—MANUFACTURES—STATE—Concluded.

Industries.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of material used all stock or material 1901.	Total value of stock or hand January 1, 1902.	Capital invested.
Ice (artificial)	31	570,231 21	690,593 79	32,823 00	121,803 59	4,738 90	1,915,256
Inks	5	948,309 00	1,083,243 00	95,560 00	607,148 00	81,258 00	744,775
Iron (structural and architectural)	50	8,107,103 03	7,976,945 22	984,678 07	4,965,389 33	810,329 50	2,651,808
Jewelry	23	1,494,760 80	1,918,366 55	104,751 90	584,860 53	189,188 95	1,101,033
Leather and leather goods	38	6,397,408 25	6,330,553 87	1,938,973 67	4,721,733 06	1,152,000 58	5,018,238
Lighting apparatus	10	2,397,182 87	2,130,208 91	100,532 69	1,198,541 35	127,480 98	392,100
Lime, sand, cement and plaster	47	2,145,558 81	2,133,343 24	106,873 94	311,247 92	103,645 32	5,927,748
Lithographing, engraving and electrotyping	33	1,688,113 90	1,676,313 04	139,561 41	542,395 00	93,801 79	1,376,982
Machinery	208	31,518,527 74	29,863,539 04	4,260,484 43	14,219,540 50	4,604,320 24	26,972,576
Malt	7	386,424 91	844,553 77	118,049 87	691,762 89	54,822 64	587,270
Marble and granite	24	740,691 84	710,088 21	82,690 25	319,905 13	146,870 20	488,647
Mattresses	3	1,419,607 83	1,400,540 18	24,656 42	802,320 77	363,242 43	1,183,000
Mouldings and frames	19	533,687 22	523,025 29	12,735 00	310,597 84	186,859 40	173,750
Oil cloth and window shade cloth	12	950,600 00	927,590 00	210,725 00	385,252 00	186,859 40	645,060
Oil and grease	30	652,759 41	674,333 85	89,181 44	484,867 35	157,070 60	416,500
Paints and varnishes	43	7,897,969 53	7,843,500 81	1,744,454 37	6,424,851 13	2,130,810 43	7,269,100
Pianos and models	14	334,640 27	349,240 27	1,940,068 12	3,000,067 89	1,117,692	4,713,423
Pianos and other musical instruments	14	1,536,664 10	1,502,341 29	172,815 75	751,822 53	439,634 38	607,491
Pickles, preserves and sauces	8	1,129,245 88	782,111 62	12,250 00	809,890 00	240,714 26	338,332
Plating	3	388,258 30	361,871 33	17,657 98	134,801 00	16,037 45	178,775
Plumbing, steam and gas fitting supplies	18	1,867,019 23	1,878,104 61	192,776 92	1,021,874 46	174,918 01	1,254,335
Potters' supplies	37	238,288 40	253,570 15	6,708 25	132,590 20	18,190 05	280,000
Printing and binding	31	11,014,085 74	10,948,668 85	957,211 93	4,351,423 71	982,890 52	14,238,116
Printers' rollers	2	22,200 00	22,200 00	.....	9,600 00	500 00	50,400
Pumps and water-wheels	13	1,477,004 58	1,508,945 56	202,914 78	617,412 88	299,766 73	925,200
Regalia	8	462,758 63	624,129 63	62,020 00	253,400 42	235,221 00	257,500
Roofing (iron, steel and tin)	25	1,290,206 77	1,544,137 64	118,811 29	981,028 37	169,173 10	487,867
Rubber goods	18	6,819,191 92	6,325,704 73	537,558 56	3,711,811 37	823,796 90	4,860,582
Rugs and carpet cleaning	12	66,010 00	12,500 00	1,331 00	1,000 00	1,381 00	22,966
Sails, vaults and locks	12	2,852,625 73	3,090,539 98	244,195 84	1,252,536 51	395,233 16	1,935,282
Salt	8	1,530,627 68	1,433,321 63	123,624 00	347,644 22	60,544 96	415,500
Sash, doors, lumber and interior finish	238	10,353,520 07	12,135,540 36	1,891,816 27	6,815,789 55	3,136,344 74	7,032,306

TABLE Ii—MANUFACTURES—BY CITIES.

	31	13,622,112 97	13,896,596 57	778,714 62	11,447,213 48	676,805 96	3,186,797
Slaughtering and meat packing.....	48	11,880,266 90	11,904,637 03	761,267 69	7,722,463 77	701,977 18	10,066,130
Soap, candles and tallow.....	68	568,896 14	562,193 14	14,896 85	218,900 17	44,573 25	544,478
Soda and mineral waters.....	2	87,000 00	78,500 00	14,500 00	16,500 00	14,300 00	34,500
Starch.....	2	83,040,999 00	86,050,275 16	2,040,346 51	22,963,096 29	2,320,762 08	34,437,525
Steel, iron and tin.....	75	129,759 31	131,516 52	4,550 00	20,701 18	5,900 00	103,209
Stencils, stamps and seals.....	42	3,267,887 05	3,341,534 36	349,995 99	743,977 64	97,247 76	5,692,043
Stone (cut, sawed and artificial).....	72	7,374,062 76	7,445,034 02	1,096,385 47	3,408,835 33	1,060,244 10	5,082,876
Stoves, ranges and furnaces.....	67	8,457,097 76	8,684,063 28	528,464 77	5,309,510 80	803,775 63	6,183,798
Strawboards and paper.....	92	5,616,410 11	5,508,435 45	513,747 71	3,291,159 08	752,734 08	2,888,457
Tinware, sheet iron and galvanized ironware.....	14	4,053,369 43	3,643,256 37	511,997 26	2,419,576 32	221,893 06	1,054,956
Tobacco (chewing and smoking).....	77	6,884,760 11	6,847,572 42	674,086 27	2,319,109 32	1,278,407 23	6,501,117
Tools.....	14	312,100 00	412,922 44	84,134 80	131,400 00	71,150 00	104,701
Trunks and valises.....	4	238,500 00	234,800 00	15,900 00	106,000 00	61,500 00	103,690
Umbrellas and parasols.....	3	246,155 13	221,297 84	51,557 76	83,046 45	49,432 40	119,427
Whips.....	24	3,915,538 25	3,697,401 81	286,480 49	2,263,444 04	280,637 15	1,448,500
Wire rods, wire cloth and wire goods.....	283	17,016,343 87	17,068,306 58	1,215,395 29	9,578,085 90	2,003,060 81	9,287,495
Miscellaneous.....							
Totals.....	4,730	\$542,274,748 22	\$541,117,212 07	\$51,392,005 64	\$203,407,227 41	\$64,349,072 60	\$387,675,761

Akron.....	90	\$92,504,075 53	\$21,682,479 88	\$1,681,248 22	\$14,732,585 78	\$9,902,132 51	\$16,431,011
Alliance.....	17	2,900,489 29	2,708,934 72	287,034 66	414,504 85	100,926 97	2,259,529
Ashtabula.....	20	937,568 94	969,537 68	63,165 68	687,917 85	244,927 55	553,763
Bellaire.....	11	3,873,213 79	3,896,287 43	43,669 06	191,878 36	45,088 63	717,800
Bucyrus.....	10	1,201,165 18	1,103,232 43	126,359 06	408,676 36	147,813 08	1,118,535
Cambridge.....	13	1,140,698 79	1,207,490 76	126,812 77	86,844 63	20,253 07	533,392
Canton.....	94	1,147,042 25	9,945,288 51	1,123,013 77	4,808,205 49	1,490,900 58	4,882,451
Chillicothe.....	10	706,458 69	887,006 51	74,083 82	337,581 65	102,241 78	415,815
Circleville.....	13	906,873 93	892,541 04	73,857 89	700,109 66	103,367 55	375,280
Defiance.....	16	988,891 47	955,069 54	325,547 58	576,421 41	308,992 44	628,800
Delaware.....	12	511,570 80	516,730 17	60,176 33	269,576 36	80,144 00	406,365
East Liverpool.....	16	321,392 98	517,120 86	26,253 12	325,018 88	49,707 90	394,656
Elyria.....	20	1,081,242 97	1,040,421 90	186,872 37	587,472 97	155,749 94	977,838
Findlay.....	42	1,365,518 43	1,276,821 60	142,210 20	606,136 02	220,255 86	690,854
Fostoria.....	24	2,770,318 00	2,711,550 54	180,679 80	2,292,116 05	545,615 39	775,804
Freemont.....	33	2,144,700 00	1,963,232 95	488,473 38	1,055,806 60	275,631 48	2,131,323
Gallion.....	16	689,700 31	1,076,823 45	43,540 35	454,813 48	140,895 54	430,100
Gallipolis.....	12	184,449 27	921,401 63	13,699 16	87,401 82	25,632 48	130,050
Hamilton.....	71	10,794,420 08	10,637,402 03	1,004,234 01	5,205,821 72	1,408,625 44	8,331,759
Ironton.....	21	5,203,157 06	5,671,083 07	189,901 84	4,036,697 58	361,070 71	1,568,320
Kenton.....	18	1,207,394 25	1,205,077 17	52,941 41	451,005 42	151,619 49	506,769
Lancaster.....	21	5,061,342 77	5,462,319 47	67,010 00	1,137,292 51	193,473 00	517,300
Lima.....	50	6,080,463 59	2,977,788 42	1,014,067 69	3,000,117 14	1,617,742 92	2,034,577
Loran.....	17	6,002,103 26	2,536,239 86	276,195 84	572,365 84	141,986 37	9,553,785
Mansfield.....	70	6,951,094 94	6,335,327 56	657,517 35	4,758,111 43	1,367,365 69	2,518,427
Marietta.....	43	1,947,235 07	1,620,899 03	232,421 07	731,905 14	305,943 56	1,244,700
Marion.....	29	2,523,464 96	2,573,322 98	196,538 46	901,036 82	447,932 06	2,236,500

TABLE II — MANUFACTURES — BY CITIES — Concluded.

Cities.	Number of establishments reported.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
Martins Ferry.....	13	2,006,241 99	2,143,931 28	241,710 05	222,991 80	49,517 35	1,248,250
Massillon.....	35	3,230,679 93	3,393,760 16	261,074 38	2,116,591 31	594,867 34	2,880,900
Middleton.....	20	5,089,376 41	4,724,429 63	514,638 88	3,055,467 17	475,074 26	2,503,613
Mt. Vernon.....	11	1,030,570 17	1,307,069 62	18,090 00	660,515 53	29,155 60	523,000
Newark.....	34	1,817,819 11	1,629,343 15	331,893 16	923,707 34	445,507 22	1,442,920
Norwalk.....	25	923,083 83	903,661 33	171,545 07	373,206 80	271,577 70	633,450
Piqua.....	46	3,059,195 35	2,903,337 52	357,214 50	1,266,568 74	319,855 19	1,770,304
Pomeroy.....	10	216,861 36	2,204,246 81	11,103 30	90,630 51	7,730 00	223,300
Portsmouth.....	38	4,565,330 61	4,589,200 94	233,939 96	2,588,449 77	883,577 76	1,629,453
Salem.....	19	2,115,078 53	2,080,025 94	293,811 13	1,773,215 37	106,824 48	1,139,500
Sandusky.....	65	3,078,885 72	2,801,983 35	202,691 03	1,570,731 06	407,150 22	4,380,379
Springfield.....	108	11,413,210 95	11,853,545 89	1,846,483 18	1,572,610 31	1,364,934 42	7,683,512
Tiffin.....	42	2,402,327 67	2,511,882 56	77,511 82	1,718,350 22	185,271 17	2,854,200
Union.....	23	1,313,946 26	1,224,907 39	136,327 73	740,170 54	376,185 84	1,183,017
Urbana.....	20	2,948,270 89	2,962,515 17	343,141 04	493,025 59	150,008 01	4,327,177
Warren.....	30	2,498,108 88	2,986,048 92	332,449 63	1,036,931 87	270,258 82	4,892,868
Wooster.....	15	2,117,798 08	2,042,346 73	234,194 72	1,361,982 57	389,513 94	241,163
Xenia.....	45	38,643,179 73	38,854,116 14	1,107,856 71	1,670,305 12	285,417 25	759,560
Youngstown.....	42	3,600,257 32	3,170,008 91	256,556 26	13,082,092 13	1,695,511 02	7,902,924
Zanesville.....	42	3,600,257 32	3,170,008 91	256,556 26	1,310,578 00	483,506 07	1,933,023
Totals.....	1,505	\$182,757,761 94	\$182,294,223 98	\$15,538,555 46	\$89,885,189 30	\$21,580,489 84	\$108,288 105

TABLE II.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISHMENTS
REPORTED, THE AMOUNT PAID IN WAGES IN 1901, AND
THE NUMBER EMPLOYED AND THE SALARIES
PAID OFFICE HELP.

TABLE IIa — MANUFACTURES — CLEVELAND.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Advertising novelties and signs.....	2	\$4,150 00
Awnings, tents and flags.....	5	58,470 00
Bags (paper and burlap).....	4	119,589 23
Bicycles, bicycle sundries and automobiles.....	7	313,736 01
Billiard tables, bar and store fixtures.....	5	86,575 00
Boilers, engines and tanks.....	8	1,537,994 56
Boots and shoes.....	4	142,040 00
Boxes (paper).....	5	81,298 50
Boxes (wooden).....	13	180,025 80
Bread and other bakery products.....	7	213,852 32
Brooms and brushes.....	5	85,010 00
Carriages and wagons.....	29	172,437 26
Carriage and wagon materials.....	2	33,294 07
Cigars.....	46	256,635 84
Clothes wringers and wash-boards.....	2	45,740 69
Clothing.....	66	1,928,799 96
Coffee, baking powder and spices.....	2	4,560 02
Confectionery.....	8	180,003 31
Cooperage.....	5	100,538 35
Copper and brass goods.....	18	344,142 64
Cotton and woolen goods—knit and woven.....	9	375,173 86
Drugs, chemicals and druggists' sundries.....	9	300,954 20
Electrical goods and supplies.....	17	886,853 96
Elevators and hoisting machinery.....	3	38,400 00
Extracts, toilet articles and perfumery.....	4	15,255 87
Fertilizers.....	2	67,879 00
Flouring mill products.....	4	41,126 00
Foundry and machine shop products.....	64	4,331,923 77
Furniture.....	7	58,356 44
Gun-powder and other explosives.....	2	53,861 99
Hardware.....	13	1,084,137 52
Harness and saddlery.....	5	19,493 03
Hats, caps and furnishings.....	8	142,546 00
Ice (artificial).....	4	85,886 11
Inks.....	2	8,000 00
Iron (structural and architectural).....	14	630,654 40
Jewelry.....	3	4,893 76
Leather and leather goods.....	5	67,055 11
Lighting apparatuses.....	2	27,642 00
Lime, sand, cement and plaster.....	4	141,848 99
Lithographing, engraving and electrotyping.....	9	134,237 94
Machinery.....	37	2,072,647 53
Marble and granite.....	3	78,730 00
Mouldings and frames.....	4	145,969 00
Oil and grease.....	14	740,634 54
Paints and varnishes.....	11	235,012 05
Patterns and models.....	5	53,944 00
Pianos and other musical instruments.....	2	29,900 00
Plating.....	2	11,100 00
Plumbing, steam and gas fitting supplies.....	8	124,559 43
Printing and binding.....	59	651,927 01
Pumps and water-wheels.....	3	7,000 00
Roofing (iron, steel and tin).....	3	8,500 00
Rubber goods.....	5	186,789 13
Rugs and carpet cleaning.....	2	26,566 14
Salt.....	2	127,105 72
Sash, doors, lumber and interior finish.....	18	429,663 50
Slaughtering and meat packing.....	8	281,159 97
Soap, candles and tallow.....	6	29,822 00
Soda and mineral waters.....	7	23,889 37
Steel, iron and tin.....	8	4,667,060 22
Stencils, stamps and seals.....	5	7,478 12
Stone (cut, sawed and artificial).....	6	665,174 65
Stoves, ranges and furnaces.....	14	819,772 85
Strawboards and paper.....	2	31,404 36
Tinware, sheet-iron and galvanized iron-ware.....	14	162,849 52
Tools.....	10	399,906 52
Trunks and valises.....	5	61,905 00
Umbrellas and parasols.....	2	9,243 51
Wire rods, wire cloth and wire goods.....	6	345,066 30
Miscellaneous.....	48	950,780 21
Totals.....	752	\$27,685,673 16

TABLE IIa — MANUFACTURES — CLEVELAND.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
1	\$100 00								
9	950 00	13	\$700 00	4	\$310 00	3	\$136 00	8	\$100 00
13	1,776 53	13	1,226 00	3	269 38	8	458 35	8	280 00
12	2,563 07	3	350 00	9	535 00	13	565 00	6	320 00
8	808 00	4	324 00	5	286 00	4	170 00		
51	5,880 00			15	1,295 00	37	2,105 00	4	310 00
9	791 33	4	240 00	3	193 67	6	151 66	1	52 00
5	448 00	2	125 00	3	184 00	1	30 00	1	40 00
11	1,381 33	3	273 33	10	553 60	5	230 00		
22	2,232 00	85	5,445 00	8	383 00	9	278 00	2	75 00
2	446 00	2	275 00	1	83 00	4	175 00	1	45 00
17	1,643 60	3	183 33	7	386 00	2	50 00		
5	737 50			1	125 00			1	40 00
19	1,619 00	21	2,352 00	9	465 00	6	305 00	2	65 00
3	516 66	3	441 67	1	35 00	2	120 00	1	100 00
51	9,412 00	151	19,643 33	56	3,747 33	78	2,727 33	24	750 49
4	575 00	7	545 00	3	160 00	1	8 00	2	9 00
17	1,895 00	19	1,616 67	6	428 67	6	225 00	2	59 00
7	803 33	1	80 00	3	180 00	1	50 00	3	100 00
33	3,367 00	19	1,419 00	18	1,073 00	18	878 00	10	312 00
32	4,003 00	7	466 66	7	531 65	12	623 00	3	120 00
32	3,418 33	16	3,010 00	14	1,002 00	45	2,188 00	20	1,043 16
48	5,478 00	24	2,718 00	16	1,036 33	58	2,849 00	36	1,435 33
5	615 00	3	255 00	2	110 00	3	134 00	3	74 00
4	544 33	15	1,518 32	5	270 50	2	80 00	7	250 00
4	550 00	14	1,075 00	6	585 00	6	300 00	5	300 00
4	414 00	10	890 00	3	202 00	3	185 00	4	132 00
175	25,050 81	36	5,332 99	74	5,619 42	125	7,098 05	55	2,644 04
7	573 50	11	865 00	4	244 50	1	20 00		
3	441 67	1	187 50	2	149 99	1	35 00	3	120 00
36	5,351 00	23	2,641 00	16	1,193 00	32	2,003 00	16	654 00
3	229 00			2	39 00				
10	720 00	7	650 00	5	275 00			2	80 00
4	523 33			2	120 00				
2	175 00	8	800 00	1	100 00	1	90 00	2	60 00
32	4,450 17	21	2,713 00	11	940 83	27	1,450 00	11	502 50
1	70 00			1	60 00				
9	850 00	8	750 00	4	275 00	3	41 00	5	116 00
3	300 00	1	50 00	1	100 00			1	30 00
9	1,305 00	7	725 00	5	425 00	3	265 00	3	120 00
14	1,294 00	11	714 00	8	365 00	3	145 00	4	120 00
190	25,095 33	72	15,243 34	58	6,021 00	142	8,381 00	47	2,177 34
9	977 00			2	125 00			1	32 50
12	1,150 00	14	1,270 00	6	385 00	6	244 00	1	55 00
52	9,036 88	141	13,273 68	30	2,535 84	186	10,722 41	50	2,066 00
48	6,466 66	89	11,200 79	17	1,429 00	61	2,426 33	31	1,419 00
9	1,012 00							1	45 00
3	325 00	2	175 00					1	24 00
1	78 00								
13	1,270 00	11	855 00	7	530 83	11	536 66	6	192 00
88	10,073 31	22	1,727 33	32	2,091 33	42	2,512 33	13	447 25
1	50 00			1	20 00				
3	222 00								
8	1,050 00	3	300 00	3	176 00	10	600 00	1	50 00
4	228 00			3	102 00	2	78 00	1	30 00
4	1,175 00	10	1,163 32	3	340 00	10	513 00	5	215 00
28	3,192 35	17	1,538 00	18	1,245 00	32	2,365 00	14	520 00
12	2,000 00	131	6,547 33	57	3,901 00	4	175 00	3	140 00
6	515 83	6	500 33	5	245 83			1	20 00
7	472 00	13	717 00	1	60 00				
53	13,151 02	3	315 00	15	1,288 30	243	14,775 64	22	1,294 22
34	5,886 00	21	2,820 80	7	626 67	17	1,268 32	10	520 00
30	3,574 33	42	4,303 00	21	1,416 67	28	1,591 00	18	874 00
3	335 00			1	70 00				
24	2,447 60	4	450 00	11	793 08	9	466 67	9	365 33
29	3,746 66	15	1,405 00	14	805 00	33	1,375 00	10	417 00
7	475 00	4	200 00	6	205 00	6	225 00	1	20 00
3	156 00	6	600 00	1	35 00	1	40 00	1	20 00
15	1,670 00	9	885 00	6	433 00	30	1,447 00	16	902 00
68	7,468 11	53	4,877 39	41	2,515 09	15	779 33	26	1,100 00
1,525	\$197,600 55	1,264	\$130,968 11	720	\$51,735 51	1,417	\$76,740 08	540	\$23,424 16

TABLE IIb — MANUFACTURES — COLUMBUS.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Awnings, tents and flags	3	\$4,787 00
Billiard tables, bar and store fixtures	2	15,500 00
Boilers, engines and tanks	4	91,205 31
Boots and shoes	9	840,477 12
Boxes (paper)	2	28,640 00
Boxes (wooden)	4	23,009 32
Bread and other bakery products	7	95,283 57
Carriages and wagons	15	542,811 60
Carriage and wagon materials	5	89,555 00
Cigars	16	63,539 81
Clothing	4	19,880 61
Coffee, baking powder and spices	2	19,447 38
Confectionery	4	27,050 95
Cotton and woolen goods (knit and woven)	2	20,066 00
Drugs, chemicals and druggists' sundries	4	65,511 02
Flouring mill products	4	16,320 30
Foundry and machine shop products	16	529,653 69
Furniture	4	74,549 76
Gloves and mittens	2	23,258 01
Harness and saddlery	5	29,368 00
Ice (artificial)	2	40,648 73
Iron (structural and architectural)	1	70,484 58
Jewelry	2	51,625 13
Leather and leather goods	2	39,090 00
Lighting apparatuses	3	37,049 57
Lime, sand, cement and plaster	2	9,200 00
Lithographing, engraving and electrotyping	4	50,950 90
Machinery	6	779,907 55
Paints and varnishes	3	29,900 00
Printing and binding	22	205,413 12
Sash, doors, lumber and interior finish	10	101,690 41
Soap, candles and tallow	2	8,100 00
Soda and mineral waters	2	8,520 50
Starch	2	18,445 00
Steel, iron and tin	2	580,646 75
Stone (cut, sawed and artificial)	6	243,039 05
Stoves, ranges and furnaces	5	67,224 36
Tinware, sheet iron and galvanized ironware	7	82,636 77
Tools	5	75,897 35
Trunks and valises	3	12,047 18
Wire rods, wire cloth and wire goods	3	12,867 45
Miscellaneous	27	393,341 77
Totals	238	\$5,520,550 62

TABLE IIb — MANUFACTURES — COLUMBUS.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
1	\$60 00	2	\$150 00	.....	.....	.....	.....	1	\$25 00
3	240 00	1	100 00	2	390 00	1	\$35 00	1	30 00
7	759 99	1	100 00	2	200 00	2	80 00	1	65 00
62	8,925 00	95	16,806 00	11	670 00	26	1,246 00	11	429 00
2	275 00	1	40 00	1	45 00	.....	.....	2	35 00
6	475 00	1	100 00	.....	.....	.....	.....	2	44 00
15	1,552 56	48	3,114 64	12	662 00	15	531 16	1	45 00
36	3,715 00	30	3,348 33	18	1,375 00	20	841 66	22	820 00
11	903 00	1	60 00	1	40 00	1	65 00	2	47 50
15	1,000 00	7	400 00	2	78 00	1	20 00	1	20 00
5	455 00	5	400 00	1	40 00	2	60 00	.....	.....
1	250 00	20	1,988 32	2	150 50	5	351 00	5	146 00
1	72 00	13	923 00	1	86 40	7	202 00	2	40 00
3	254 00	.....	.....	2	85 00	.....	.....	.....	.....
12	1,620 00	17	2,140 00	9	615 00	33	685 00	20	665 00
2	225 00	3	240 00	2	172 50	1	100 00	1	30 00
34	6,245 00	42	13,275 00	19	1,433 00	24	1,125 00	14	530 00
8	700 00	2	160 00	2	140 00	1	30 00	2	105 00
5	186 00	2	210 00	1	50 00	.....	.....	1	20 00
3	245 00	9	540 00	3	215 00	7	325 00	3	102 00
2	225 00	.....	.....	3	203 00	3	125 00	1	39 00
6	710 00	.....	.....	2	124 00	2	90 00	2	69 00
2	250 00	2	216 67	3	99 00	.....	.....	1	40 00
3	300 00	1	85 00	1	75 00	.....	.....	.....	.....
6	634 00	.....	.....	1	110 00	1	25 00	.....	.....
1	36 00	1	62 50	2	111 00	.....	.....	.....	.....
6	773 33	3	190 00	1	45 00	2	37 50	4	87 00
27	4,994 66	24	3,421 50	8	758 33	53	4,135 66	20	1,020 00
3	650 00	11	1,416 66	4	355 00	2	117 50	3	65 00
33	3,248 28	11	893 51	19	795 00	16	594 67	5	148 50
12	963 33	4	290 00	8	438 33	2	66 00	1	30 00
1	60 00	3	220 00	1	40 00	.....	.....	.....	.....
2	200 00	1	80 00	1	60 00	.....	.....	.....	.....
2	170 00	17	1,245 00	1	75 00	.....	.....	1	30 00
15	2,137 00	1	125 00	1	100 00	10	778 33	2	85 00
6	841 66	.....	.....	4	348 00	3	135 00	2	75 00
12	1,011 50	6	542 00	4	335 00	1	47 67	2	83 33
7	1,065 00	10	755 00	5	476 66	7	437 00	7	261 16
8	727 33	3	218 33	2	60 00	3	108 67	1	40 00
3	228 33	3	179 17	3	165 67	.....	.....	1	16 00
3	248 00	2	200 00	2	145 00	.....	.....	2	55 00
41	3,568 48	23	2,046 66	19	1,493 11	33	2,283 76	22	713 76
433	\$51,199 45	426	\$56,282 29	186	\$12,559 50	284	\$14,678 58	168	\$6,056 25

TABLE IIc—MANUFACTURES—CINCINNATI.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Advertising novelties and signs	5	18,566 90
Awnings tents and flags	6	53,066 00
Bags (paper and burlap)	7	72,382 09
Billiard tables, bar and store fixtures	11	155,703 62
Boilers, engines and tanks	12	228,877 91
Boots and shoes	30	2,206,230 24
Boxes (paper)	8	949,942 27
Boxes (wooden)	15	169,350 01
Bread and other bakery products	20	243,506 79
Brooms and brushes	13	129,616 00
Bungs	3	42,036 00
Carriages and wagons	53	1,607,968 94
Carriage and wagon materials	16	268,595 59
Cigars	68	942,223 62
Clothing	113	2,286,988 17
Coffee, baking powder and spices	9	47,400 60
Coffins and burial cases	4	281,938 00
Confectionery	14	160,192 30
Cooperage	12	280,159 96
Copper and brass goods	22	515,646 11
Cotton and woolen goods (knit and woven)	9	119,897 79
Drugs, chemicals and druggists' sundries	18	118,039 37
Electrical goods and supplies	8	258,503 79
Elevators and hoisting machinery	5	90,329 75
Extracts, toilet articles and perfumery	5	14,586 75
Filters	2	15,369 92
Flouring mill products	3	17,130 03
Foundry and machine shop products	26	993,903 77
Furniture	47	1,007,844 87
Furs	2	9,872 62
Gunpowder and other explosives	2	207,769 71
Hardware	4	96,875 29
Harness and saddlery	12	231,512 01
Hats, caps and furnishings	15	161,308 00
Ice (artificial)	5	25,296 53
Inks	3	102,118 67
Iron (structural and architectural)	10	307,644 68
Jewelry	15	106,343 28
Leather and leather goods	15	547,697 02
Lithographing, engraving and electrotyping	17	426,739 33
Machinery	55	958,111 34
Malt	4	21,814 54
Marble and granite	8	111,080 00
Mattresses and pillows	7	51,266 00
Mouldings and frames	8	202,694 00
Oil cloth and window shade cloth	2	25,600 00
Oils and grease	8	62,077 48
Paints and varnishes	13	126,375 91
Patterns and models	11	63,683 78
Pianos and other musical instruments	3	246,414 04
Pickles, preserves and sauces	6	129,643 69
Plating	2	118,095 70
Plumbing, steam and gas fitting supplies	3	106,627 39
Printing and binding	95	1,485,589 68
Printers' rollers	2	2,380 00
Pumps and water wheels	2	131,360 26
Regalia	8	99,128 83
Roofing (iron, steel and tin)	6	34,276 27
Safes, vaults and locks	7	366,258 43
Sash, doors, lumber and interior finish	26	503,379 43
Slaughtering and meat packing	18	383,448 71
Soap, candles and tallow	22	528,140 01
Soda and mineral waters	12	82,943 00
Stencils, stamps and seals	5	39,255 00
Stone (cut, sawed and artificial)	4	59,880 00
Stoves, ranges and furnaces	10	255,722 99
Tinware, sheet iron and galvanized ironware	24	228,387 42
Tobacco (chewing and smoking)	5	72,683 20
Tools	34	908,443 52
Trunks and valises	6	38,900 00
Wire rods, wire cloth and wire goods	2	5,550 00
Miscellaneous	40	333,106 61
Totals	1,122	\$23,301,381 57

TABLE IIc—MANUFACTURES—CINCINNATI.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
3	\$210 00	3	\$350 00	2	\$90 00	1	\$25 00	1	\$13 50
6	602 00	4	228 00	3	168 00	5	146 00	1	30 00
9	914 15	20	1,474 30	6	500 00	4	267 67	5	149 67
12	907 00	21	1,615 00	11	827 00	9	430 00	7	250 00
17	2,216 67	1	150 00	8	693 33	5	150 00	7	205 00
124	11,600 66	155	17,394 32	34	2,853 66	111	3,830 32	20	653 09
11	916 00	2	151 00	6	337 00	1	24 00	2	65 00
12	973 33	4	395 00	12	656 00	2	75 00	3	68 00
30	3,107 66	64	4,535 66	15	1,076 80	22	629 00	6	184 33
9	1,585 00	8	872 00	2	197 50	5	320 00	3	126 00
4	429 00	3	238 00	2	182 00	4	160 00	2	91 00
130	11,920 67	69	7,502 30	39	2,739 66	69	3,480 66	53	1,948 17
26	2,313 33	2	360 00	10	636 00	2	95 00	4	138 00
56	3,969 66	87	8,627 00	20	1,821 00	23	995 00	11	498 00
98	12,553 00	311	35,763 83	108	9,049 83	240	10,469 00	54	1,955 33
8	887 00	60	4,825 00	11	702 00	14	595 00	9	290 00
11	2,341 83	25	3,127 53	3	289 66	9	655 00	2	135 00
9	1,100 00	35	2,086 00	10	775 00	20	800 00	5	155 00
24	1,723 00	8	1,040 00	4	495 00	5	328 00	1	60 00
52	3,931 00	15	1,355 00	20	1,582 67	14	506 00	12	359 83
11	1,272 50	2	250 00	1	100 00	4	160 00	1	20 00
26	3,208 33	95	14,061 00	13	875 67	32	1,178 00	23	675 00
18	4,222 00	5	537 00	8	730 00	38	1,737 00	14	494 00
3	640 00	6	750 00	3	200 00	2	80 00	6	179 00
1	78 00	8	695 00	1	300 00	.....	.....	1	60 00
2	254 16	4	310 00	2	110 00	.....	25 00	2	94 00
3	380 00	4	235 00	3	272 00	.....	.....	2	75 00
46	6,304 00	7	775 00	17	1,579 33	34	2,017 33	9	408 33
91	11,009 84	54	4,758 00	32	2,219 67	24	1,282 00	18	708 50
.....	.....	1	100 00	1	65 00	1	43 33	.....	.....
9	1,783 00	13	1,480 00	10	802 50	2	90 00	.....	223 00
12	1,394 00	5	300 00	3	325 00	5	215 33	2	88 00
13	1,130 00	26	2,390 00	9	785 00	21	1,051 00	5	216 00
15	1,186 00	24	2,913 00	11	657 00	20	731 00	6	173 00
6	791 67	1	125 00	5	513 33	1	30 00	.....	.....
8	1,795 00	16	2,820 00	2	260 00	6	375 00	.....	247 00
28	2,086 99	8	905 00	5	340 00	13	1,230 00	4	210 00
13	1,300 33	6	598 33	7	457 66	6	342 33	2	55 00
20	3,356 50	15	1,785 00	12	985 00	6	355 00	4	155 00
29	4,450 99	23	3,130 01	15	1,071 66	28	1,642 83	6	265 00
98	12,529 00	57	3,876 00	42	2,433 00	70	3,094 00	43	1,554 33
6	565 00	1	250 00	1	150 00	3	155 00	.....	86 00
7	506 00	3	245 00	4	365 00	2	70 00	3	90 00
3	255 00	5	280 00	2	170 00	4	112 00	3	86 00
26	2,290 00	25	2,510 00	7	620 00	16	575 00	5	155 00
2	210 00	4	400 00	2	100 00	1	45 00	2	50 00
8	1,665 00	6	260 00	4	505 00	3	200 00	5	358 33
10	2,151 67	37	6,386 60	14	1,655 00	14	680 00	6	330 00
3	285 00	.....	.....	4	155 00	3	105 00	3	110 00
4	608 00	2	266 67	3	283 33	6	173 00	1	40 00
11	955 00	28	2,535 00	7	442 00	5	275 00	7	225 00
1	250 00	4	808 32	2	188 33	2	86 67	3	101 83
2	225 00	4	500 00	3	160 00	3	105 00	2	100 00
134	17,746 31	44	4,640 34	52	3,462 24	116	5,593 96	35	1,250 52
1	75 00	1	100 00	1	30 00	.....	.....	.....	.....
13	1,415 00	11	1,085 00	1	40 00	12	625 00	3	175 00
6	826 00	20	1,910 00	8	458 00	14	538 00	14	519 00
5	600 00	1	100 00	4	238 00	4	270 00	3	72 00
19	2,105 00	.....	.....	6	465 00	19	1,021 00	12	618 00
47	4,514 67	11	928 00	23	1,619 25	14	526 00	10	367 00
18	2,415 00	24	1,817 00	16	1,335 33	24	1,045 66	3	186 66
61	10,311 33	143	16,901 32	27	2,112 96	84	3,822 85	27	996 00
5	825 00	25	1,425 00	4	165 00	1	60 00	.....	.....
5	322 00	2	205 00	2	100 00	6	180 00	1	6 00
6	568 33	.....	.....	1	80 00	1	30 00	.....	.....
16	1,831 00	22	1,678 00	8	706 00	17	804 00	7	225 65
27	3,177 00	14	1,596 66	11	698 33	14	654 33	8	305 00
3	315 00	15	2,230 00	3	250 00	.....	.....	1	35 00
80	10,887 67	12	1,334 00	21	1,605 88	36	1,627 67	15	521 66
4	285 00	5	550 00	2	175 00	2	45 00	2	70 00
1	50 00	.....	.....	.....	.....	.....	.....	.....	.....
36	4,744 82	41	3,254 33	26	1,849 66	55	1,685 00	35	1,139 41
1,676	\$197,443 07	1,792	\$189,079 57	797	\$60,938 19	1,365	\$60,769 94	585	\$21,393 87

TABLE II*d* — MANUFACTURES — DAYTON.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Advertising novelties and signs.....	4	\$21,160 94
Agricultural implements	4	303,116 42
Awnings, tents and flags.....	3	4,684 10
Boilers, engines and tanks.....	6	270,057 52
Boxes (paper)	4	137,205 26
Boxes (wooden)	4	41,744 00
Bread and other bakery products.....	5	36,533 40
Brooms and brushes.....	3	4,452 04
Carriages and wogans.....	8	69,334 20
Carriage and wagon materials.....	3	99,828 00
Cigars	23	228,349 20
Clothing	4	64,095 08
Coffee, baking powder and spices.....	3	23,110 00
Confectionery	2	4,500 00
Cooperage	2	6,200 00
Copper and brass goods.....	2	83,200 00
Drugs, chemicals and druggists' sundries.....	2	5,164 35
Electrical goods and supplies.....	4	37,347 48
Extracts, toilet articles and perfumery.....	2	11,336 00
Flouring mill products.....	4	29,256 00
Foundry and machine shop products.....	19	2,845,930 43
Furniture	6	166,867 16
Harness and saddlery.....	2	7,490 84
Iron (structural and architectural).....	2	7,000 00
Machinery	12	1,233,496 12
Mattresses and pillows.....	2	8,095 00
Paints and varnishes.....	5	31,011 40
Patterns and models.....	2	4,691 94
Printing and binding.....	21	209,705 13
Sash, doors, lumber and interior finish.....	6	185,103 00
Slaughtering and meat packing.....	2	34,085 17
Soap, candles and tallow.....	6	51,835 64
Soda and mineral waters.....	4	8,984 00
Stone (cut, sawed and artificial).....	2	23,934 39
Stoves, ranges and furnaces.....	2	100,027 97
Strawboards and paper.....	7	133,053 96
Tinware, sheet iron and galvanized ironware.....	4	26,268 45
Tobacco (chewing and smoking).....	3	53,511 08
Tools	5	29,592 70
Wire rods, wire cloth and wire goods.....	2	2,400 00
Miscellaneous	23	263,572 22
Totals	229	\$6,907,630 59

TABLE II*d* — MANUFACTURES — DAYTON.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
5	\$438 00	2	\$160 00	2	\$90 00	1	\$50 00	3	\$94 00
15	1,598 33	25	2,575 00	8	680 67	26	1,536 13	3	112 50
.....	.....	3	190 00	1	50 00	.....	.....	.....	.....
13	1,626 50	5	535 00	5	365 00	7	355 00	4	140 00
16	2,430 00	20	2,200 00	4	315 00	8	416 00	9	383 00
5	313 00	.....	.....	3	185 00	2	40 00	1	15 00
6	567 00	17	1,106 00	4	260 00	3	90 00	.....	.....
.....
12	1,500 00	3	375 00	1	100 00	3	160 00	1	40 00
8	1,300 00	.....	.....	3	235 00	1	60 00	1	40 00
18	1,470 67	10	1,450 00	7	485 00	.....	.....	2	55 00
6	573 00	14	1,275 00	4	325 00	6	240 00	2	80 00
4	300 00	19	1,620 00	5	370 00	5	234 00	6	161 00
.....
3	850 00	2	500 00	1	83 34	5	387 00	2	132 00
3	550 00	7	545 00	2	150 00	1	75 00	5	170 00
6	525 00	1	150 00	2	100 00	4	210 00	3	95 00
2	200 00	11	650 00	1	75 00	.....	.....	2	72 00
3	390 00	4	232 00	3	171 00	1	24 00	.....	.....
100	18,401 60	340	11,093 60	51	3,809 87	128	5,382 53	142	6,597 64
20	1,430 00	13	2,537 00	4	242 00	2	100 00	4	164 00
2	102 00	.....	.....	.....	.....	.....	.....	.....	.....
1	75 00	1	60 00	1	60 00	.....	.....	.....	.....
60	9,609 86	27	4,835 64	18	1,351 79	64	3,432 15	23	1,064 29
2	110 00	5	375 00	1	25 00	.....	.....	.....	.....
12	1,400 00	9	1,060 00	4	305 00	1	10 00	4	153 00
.....
34	3,554 00	12	1,166 66	15	1,043 00	16	762 33	9	314 66
17	1,483 33	.....	.....	5	295 00	5	175 00	3	100 00
5	460 00	7	348 00	5	209 00	3	160 00	1	50 00
5	330 00	29	2,075 00	2	225 00	1	50 00	5	207 00
1	60 00	3	180 00	1	30 00	.....	.....	.....	.....
3	243 45	.....	.....	1	83 33	.....	.....	.....	.....
3	527 08	5	450 00	1	150 00	1	80 00	2	86 00
12	1,536 67	2	330 00	6	433 00	5	300 00	5	242 00
2	250 00	.....	.....	3	140 00	.....	.....	.....	.....
4	316 66	3	450 00	2	150 00	2	80 00	2	65 00
2	210 00	4	500 00	3	95 00	.....	.....	.....	.....
.....	.....	.....	.....	1	25 00	.....	.....	.....	.....
41	4,225 93	17	1,333 00	16	823 34	11	470 00	18	546 50
451	\$59,012 08	620	\$40,356 90	196	\$13,535 34	312	\$14,879 14	262	\$11,179 59

TABLE IIe — MANUFACTURES — TOLEDO.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Awnings, tents and flags.....	2	\$45,107 87
Bath cabinets	3	22,427 74
Bicycles, bicycle sundries and automobiles.....	6	678,703 29
Billiard tables, bar and store fixtures.....	3	58,800 00
Boilers, engines and tanks.....	4	268,293 44
Boxes (paper)	2	8,200 00
Boxes (wooden)	4	19,750 00
Bread and other bakery products.....	5	52,550 00
Brooms and brushes.....	6	75,159 73
Carriages and wagons.....	11	243,964 91
Carriage and wagon materials.....	4	114,745 50
Cigars	19	57,133 00
Clothing	7	245,433 18
Coffee, baking powder and spices.....	2	108,000 00
Cooperage	4	35,430 53
Copper and brass goods.....	2	7,900 00
Cotton and woolen goods (knit and woven).....	3	59,750 00
Drugs, chemicals and druggists' sundries.....	5	6,272 00
Extracts, toilet articles and perfumery.....	3	3,143 00
Flouring mill products.....	7	101,345 35
Foundry and machine shop products.....	14	859,742 84
Furniture	10	164,999 07
Harness and saddlery.....	3	12,112 00
Iron (structural and architectural).....	2	203,737 53
Lime, sand, cement and plaster.....	3	32,371 96
Machinery	9	309,822 76
Marble and granite.....	2	15,098 01
Mattresses and pillows.....	2	10,000 00
Oil and grease.....	6	127,414 27
Paints and varnishes.....	3	12,329 30
Printing and binding.....	18	93,126 35
Pumps and water-wheels.....	4	16,672 00
Sash, doors, lumber and interior finish.....	13	215,644 20
Soap, candles and tallow.....	2	5,862 99
Soda and mineral waters.....	3	27,872 12
Steel, iron and tin	2	191,819 80
Stencils, stamps and seals.....	3	6,020 00
Stone (cut, sawed and artificial).....	5	58,122 35
Stoves, ranges and furnaces.....	2	29,367 63
Tinware, sheet iron and galvanized ironware.....	11	86,108 93
Tools	2	3,565 85
Wire rods, wire cloth and wire goods.....	3	12,700 00
Miscellaneous	29	289,649 40
Totals	253	\$4,975,768 50

TABLE IIc — MANUFACTURES — TOLEDO.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2	\$225 00	11	\$888 33	1	\$80 00	1	\$80 00	2	\$60 00
4	435 00			2	80 00	12	243 00	7	255 00
25	3,527 00	13	1,640 00	7	526 66	19	1,111 99	15	655 00
8	641 00	8	1,000 00	21	880 00			13	411 00
5	822 00	2	150 00	4	280 00	4	175 00	2	68 00
1	50 00	1	50 00					1	20 00
2	265 00			1	100 00	1	31 50		
4	608 00	19	1,259 00	4	314 66	6	179 00	2	60 00
2	475 00	3	310 00	2	175 00	3	132 00	1	40 00
19	2,250 00	1	75 00	5	217 50	10	605 00	6	240 00
10	1,215 00	2	200 00	5	420 00	1	50 00	1	60 00
4	253 00	5	285 00	2	95 00				
7	1,001 66	19	2,862 00	4	245 00	15	640 00	1	25 00
4	769 17	118	9,556 00	6	566 00	24	2,358 00	7	296 00
2	258 33			2	116 67				
3	216 00			2	80 00				
4	415 00	6	650 00	2	125 00	4	206 00	1	42 00
6	502 13	2	180 00	3	126 66	1	86 66	11	313 16
1	123 00	5	255 00	2	140 00	4	225 00	1	16 00
11	2,166 67	10	675 00	9	598 33	6	206 00	5	202 50
35	5,379 33	41	4,309 00	10	726 50	39	2,148 00	13	563 90
13	1,242 00	11	878 32	7	388 33	2	68 33	1	33 33
2	110 00	2	80 00	1	50 00				
4	500 00			3	225 00	12	505 00	2	85 00
11	1,075 00	10	845 00	3	200 00	4	300 00	5	170 00
20	2,716 66	4	600 00	5	360 00	10	440 00	6	213 33
1	100 00	3	250 00	1	45 00	1	75 00		
2	130 00			1	30 00				
18	2,235 33	24	1,267 50	5	676 66	7	360 83	4	175 00
3	240 00	6	440 00	3	180 00	2	80 00	1	20 00
18	1,408 50	6	560 00	7	327 50	15	643 20	5	142 00
2	200 00	7	635 00	3	160 00			1	16 67
21	2,148 66	7	631 67	10	630 00	6	269 00	3	115 00
3	265 00	1	65 00	2	150 00			1	20 00
4	375 00	4	333 33	3	260 00	4	175 00		
6	685 00					6	313 66	2	108 33
1	60 00	1	60 00			1	30 00		
6	685 00	3	250 00	3	215 00	4	160 00	1	25 00
3	270 50	3	200 00	2	100 00	1	25 00	2	54 00
8	758 33	2	200 00	5	298 00	5	245 00	3	118 33
2	150 00	1	70 00	1	35 00				
3	220 00	2	145 00	2	85 00				
36	3,633 99	32	2,538 00	17	1,183 66	11	511 00	8	237 00
346	\$40,810 26	395	\$34,443 15	178	\$11,492 13	241	\$12,678 17	134	\$4,860 55

TABLE II—MANUFACTURES—CITIES.

Industries.	Number of establishments reported,	Total amount paid in wages during year 1901.
Advertising novelties and signs.....	4	\$32,169 90
Agricultural implements	27	2,076,827 46
Awnings, tents and flags.....	3	3,874 00
Bags (paper and burlap).....	2	60,808 00
Baskets	3	14,755 03
Bicycles, bicycle sundries and automobiles.....	11	246,637 34
Billiard tables, bar and store fixtures.....	2	15,240 67
Boilers, engines and tanks.....	45	2,065,261 92
Boots and shoes.....	12	1,000,663 43
Boxes (paper)	9	44,306 25
Boxes (wooden)	14	113,226 66
Bread and other bakery products.....	27	136,129 55
Brooms and brushes.....	18	100,866 04
Canned goods	7	76,086 51
Carriages and wagons.....	85	821,426 87
Carriage and wagon materials.....	26	477,503 89
Cars and car furnishings.....	3	169,214 86
Chewing gum	2	8,292 16
Cigars	134	485,988 22
Clothing	23	248,807 77
Clothes wringers and washboards.....	3	5,442 28
Coffee, baking powder and spices.....	5	4,580 50
Coffins and burial cases.....	5	86,683 63
Confectionery	15	37,367 95
Cooperage	23	251,029 98
Copper and brass goods.....	11	147,128 43
Cordage and twine.....	3	134,422 74
Cotton and woolen goods (knit and woven).....	12	162,400 30
Cutlery and edge tools.....	6	291,841 33
Dairy products	2	9,700 00
Drugs, chemicals and druggists' sundries.....	14	55,289 86
Electrical goods and supplies.....	19	446,120 15
Extracts, toilet articles and perfumery.....	8	56,834 12
Fertilizers	7	34,649 02
Fire extinguishers	2	192,947 04
Flouring mill products.....	72	666,177 07
Foundry and machine shop products.....	71	2,190,616 29
Furniture	34	616,586 74
Glass workers' supplies.....	3	47,187 00
Gloves and mittens.....	3	40,775 00
Gunpowder and other explosives.....	7	137,112 21
Hardware	9	388,687 77
Harness and saddlery.....	14	48,897 66
Ice (artificial)	18	75,906 04
Iron (structural and architectural).....	16	635,186 83
Jewelry	3	793,425 39
Leather and leather goods.....	13	134,713 23
Lighting apparatuses	5	48,323 32
Lime, sand, cement and plaster.....	23	244,631 78
Lithographing, engraving and electrotyping.....	3	27,665 43
Machinery	57	2,880,755 31
Malt	3	20,724 20
Marble and granite.....	11	35,007 40
Mattresses and pillows.....	3	45,772 23
Oil cloth and window shade cloth.....	2	25,195 76
Oil and grease.....	2	223,897 05
Paints and varnishes.....	6	18,072 60
Patterns and models.....	8	32,809 21
Pianos and other musical instruments.....	7	119,013 96
Pickles, preserves and sauces.....	2	4,072 48
Plating	4	8,140 79
Plumbing, steam and gas fitting supplies.....	7	219,834 68
Potters' supplies	3	44,395 66
Printing and binding.....	139	993,542 23
Pumps and water-wheels.....	4	131,526 84
Roofing (iron, steel and tin).....	12	84,155 45
Rubber goods	11	1,312,071 67
Safes, vaults and locks.....	5	606,774 07
Salt	3	54,304 00
Sash, doors, lumber and interior finish.....	91	986,653 10
Slaughtering and meat packing.....	3	9,353 08
Soap, candles and tallow.....	10	55,386 46

TABLE II—MANUFACTURES—CITIES.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
5	\$515 00			3	\$166 00	1	\$60 00	3	\$77 00
125	15,722 33	241	\$22,661 67	39	3,770 66	89	6,229 33	48	1,957 66
3	170 00	1	70 00	1	45 00			1	
6	1,100 00	5	550 00	2	150 00	2	100 00	3	100 00
1	40 00			2	68 00				
24	3,071 66	24	2,300 00	8	558 33	9	395 00	9	270 00
4	260 00	1	75 00	2	75 00			1	22 00
114	12,918 82	49	6,001 00	44	2,996 90	45	2,431 66	39	1,683 50
77	6,516 27	106	10,675 00	14	829 83	112	3,220 82	9	286 16
6	537 00	1	30 00	2	66 00	1	75 00	1	25 00
11	849 68	2	125 00	6	394 83			1	25 00
21	2,553 00	30	2,183 41	13	597 16	17	354 99	3	91 00
15	1,214 42	19	1,675 00	4	176 00	3	45 00	4	112 00
10	1,087 16	11	1,200 00	4	278 25	2	79 12	2	80 00
53	6,153 16	41	4,165 00	32	1,753 66	17	756 83	20	659 50
34	3,225 91	7	625 00	15	842 42	3	90 00	8	248 67
17	1,495 00			5	235 00	9	350 00	3	125 00
1	125 00	3	250 00	1	60 00	1	40 00	1	32 00
32	2,118 00	23	1,997 66	9	568 33	9	273 00	3	116 00
14	1,454 14	39	3,651 88	7	284 17	9	386 06	5	143 16
3	193 25	2	150 00	1	40 00			1	39 00
6	342 00	4	235 00	3	155 00	1	20 00	2	37 00
8	1,262 66	11	918 00	5	378 66	6	240 00	3	85 00
6	681 00	21	1,358 83	6	321 33	4	70 00	1	21 50
17	1,439 95	1	50 00	12	562 33			4	105 00
18	2,473 00	5	633 00	6	332 00	7	370 00	14	435 00
18	2,259 67	4	425 00	4	284 30	4	202 50	4	208 35
14	1,490 00	10	543 47	7	408 00	4	90 00	5	132 00
20	2,485 00	35	5,811 67	9	460 00	12	352 00	11	345 00
2	230 00	1	60 00	1	60 00			1	35 00
15	1,573 50	97	7,425 00	10	490 50	6	160 00	9	231 00
51	5,408 00	13	931 67	17	1,102 00	19	886 00	23	838 50
9	1,359 00	28	2,838 33	4	225 00	2	110 00	5	149 00
9	878 33	21	1,570 00	4	225 00	4	208 00	2	70 00
3	783 33	1	50 00	5	420 00	1	40 00	2	100 00
77	7,584 15	25	1,506 00	48	2,392 16	22	1,044 66	13	432 00
140	15,258 86	17	1,831 65	44	2,772 83	39	1,922 67	29	1,213 83
70	5,906 99	57	6,230 33	24	1,575 33	12	317 33	17	615 83
6	466 00	1	75 00	1	60 00			1	35 00
8	750 00			1	60 00			1	50 00
12	1,975 00	2	450 00	7	565 33	1	85 00	1	60 00
26	2,501 40	3	400 00	9	660 00	6	280 00	6	232 00
5	315 00	6	450 00	3	160 00	5	210 00	1	60 00
17	1,348 33	1	60 00	10	520 00	5	215 00		
41	5,365 53	15	1,641 66	17	1,183 33	66	4,082 00	15	532 00
27	2,987 00	6	750 00	3	375 00	6	360 00	4	113 80
13	1,961 49	8	758 83	8	411 66	3	163 00	5	162 16
16	1,043 00	2	236 67	7	404 66	19	880 00	10	358 00
27	2,618 49	6	511 66	14	661 65	10	493 70	5	156 30
7	626 00	3	380 00	1	75 00			1	45 00
206	27,463 79	100	11,109 81	83	6,337 82	89	5,819 50	68	2,747 23
3	240 00	1	300 00	1	86 67	1	20 00		
13	932 00	9	391 66	3	102 50			1	32 50
1	60 00	4	275 00	2	155 00	2	56 00	3	54 00
4	638 40			1	85 00	4	204 00	2	121 66
12	2,472 00			16	1,200 00			1	80 00
10	1,219 00	14	1,235 00	5	408 00			5	234 00
				1	25 00				
9	1,265 02	5	543 33	3	171 33			2	110 00
3	150 00	2	200 00	1	50 00				
1	75 00								
18	2,314 15	12	1,309 98	5	355 00	12	617 50	6	264 00
3	388 33			4	253 33			2	70 00
140	12,427 92	38	3,315 33	51	2,657 67	64	2,424 00	43	1,426 33
10	1,303 32	5	460 00	5	310 00	7	400 00	3	160 00
11	787 00	7	600 00	6	322 67	5	265 00	5	185 00
41	5,152 32	53	5,505 00	21	1,797 33	61	3,289 20	75	3,523 01
36	6,618 16	4	14,295 00	8	1,091 67	21	1,260 00	10	430 66
4	425 00			2	145 00	3	100 00		
100	8,678 66	18	1,052 33	66	3,535 33	22	1,105 00	14	369 00
3	240 00	2	168 00	2	66 00	5	250 00		
8	800 00	21	1,635 00	8	561 00	10	305 00	5	165 00

TABLE II/ — MANUFACTURES — CITIES — Continued.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Soda and mineral waters.....	32	28,511 87
Steel, iron and tin.....	35	9,938,980 53
Stencils, stamps and seals.....	2	550 00
Stone (cut, sawed and artificial).....	12	187,914 78
Stoves, ranges and furnaces.....	30	1,201,147 13
Strawboards and paper.....	20	770,291 93
Tinware, sheet iron and galvanized ironware.....	24	343,913 02
Tobacco (chewing and smoking).....	6	325,578 75
Tools	15	812,493 34
Umbrellas and parasools.....	2	16,037 00
wire rods, wire cloth and wire goods.....	6	401,195 68
Miscellaneous	37	210,519 34
Totals	1,505	\$33,398,957 22

TABLE II*f* — MANUFACTURES — CITIES — Concluded.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
12	823 33	10	530 00	3	80 00	3	95 00	.....	.....
257	37,672 53	22	4,289 03	35	3,228 32	281	16,573 60	36	1,708 .8
1	30 00	.....	.....	.....	.....	.....	.....	1	28 00
15	1,301 00	.....	.....	5	293 65	2	80 00	3	101 00
72	7,424 23	64	5,905 65	30	2,114 65	23	963 00	20	692 00
34	5,189 31	6	1,110 00	30	4,185 24	12	592 00	15	433 71
33	3,770 65	15	1,480 00	16	1,191 27	18	806 00	17	589 06
10	2,180 00	47	7,785 00	6	556 00	9	657 35	5	262 00
30	4,700 73	9	3,028 24	12	948 54	20	1,139 13	10	530 48
2	143 00	4	700 00	2	93 00	.....	.....	1	40 00
14	1,793 33	6	582 50	4	253 33	13	566 99	3	116 00
33	3,283 68	32	2,718 25	15	807 65	13	522 00	11	361 00
2,418	\$276,554 34	1,579	\$167,041 50	956	\$64,825 08	1,293	\$65,798 94	726	\$27,815 23

TABLE IIg—MANUFACTURES—TOWNS AND VILLAGES.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Advertising novelties and signs.....	4	\$149,330 76
Agricultural implements	11	343,969 44
Baskets	6	98,975 67
Billiard tables, bar and store fixtures.....	2	6,523 00
Boilers, engines and tanks.....	8	174,323 71
Boots and shoes.....	3	11,877 79
Boxes (wooden)	4	62,236 18
Bread and other bakery products.....	2	3,201 75
Brooms and brushes.....	4	53,420 85
Canned goods	18	45,759 78
Carriages and wagons.....	39	403,599 96
Carriage and wagon materials.....	19	580,173 27
Cigars	22	52,805 35
Clothing	5	44,185 97
Cooperage	34	347,671 57
Copper and brass goods.....	2	2,554 24
Cotton and woolen goods (knit and woven).....	11	126,755 71
Drugs, chemicals and druggists' sundries.....	3	14,567 90
Electrical goods and supplies.....	4	50,300 00
Flouring mill products.....	74	198,906 47
Foundry and machine shop products.....	37	1,471,919 68
Furniture	26	314,003 24
Gloves and mittens.....	2	8,150 00
Gunpowder and other explosives.....	2	6,710 89
Hardware	4	152,054 02
Harness and saddlery.....	9	71,312 55
Hollow ware	2	57,000 00
Ice (artificial)	2	4,095 00
Iron (structural and architectural).....	2	33,900 00
Leather and leather goods.....	3	40,581 24
Lime, sand, cement and plaster.....	15	204,288 33
Machinery	32	537,028 75
Matches	3	325,716 03
Paints and varnishes.....	2	11,580 87
Pianos and other musical instruments.....	2	13,300 00
Printing and binding.....	17	25,032 06
Roofing (iron, steel and tin).....	4	17,361 18
Rubber goods	2	64,502 83
Salt	3	88,701 83
Sash, doors, lumber and interior finish.....	74	374,256 04
Soda and mineral waters.....	8	6,137 32
Steel, iron and tin.....	25	4,303,955 80
Stone (cut, sawed and artificial).....	7	116,210 53
Stoves, ranges and furnaces.....	4	21,251 68
Strawboards and paper.....	16	456,467 03
Tinware, sheet iron and galvanized ironware.....	8	63,197 55
Tools	6	121,826 65
Whips	3	31,140 68
Wire rods, wire cloth and wire goods.....	2	125,400 00
Miscellaneous	34	363,190 62
Totals	631	\$12,204,091 77

TABLE IIg—MANUFACTURES—TOWNS AND VILLAGES.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
10	\$1,694 00	64	\$11,476 00	4	\$208 00	10	\$260 00	7	\$220 00
33	3,818 33	35	2,509 16	12	686 00	8	410 00	12	402 00
11	1,260 00	1	100 00	4	215 16	1	35 00	.....	.....
1	88 33	1	150 00	1	33 33	.....	.....	.....	.....
12	1,349 00	3	335 00	6	458 66	3	102 00	5	162 00
3	210 00	2	225 00	1	50 00	.....	.....	.....	.....
6	700 00	.....	.....	4	194 00	4	80 00	4	120 00
.....	.....	.....	.....	.....	.....	1	34 50	.....	.....
5	310 00	7	445 00	3	135 00	.....	.....	2	55 00
16	869 99	.....	.....	7	375 00	3	115 00	.....	.....
33	2,754 66	26	2,448 00	17	931 33	12	259 00	16	496 00
35	3,120 86	6	708 00	17	1,037 33	9	371 83	9	202 00
11	509 40	3	235 00	3	110 00	1	36 00	1	40 00
4	456 67	4	320 00	2	115 00	3	135 00	.....	.....
66	3,402 00	1	40 00	12	620 00	1	18 00	1	40 00
1	100 00	.....	.....	1	24 00	.....	.....	2	41 00
10	913 66	1	130 00	5	391 66	1	35 00	1	32 50
.....	.....	12	1,230 00	3	196 00	4	165 00	7	204 00
4	385 00	2	175 00	2	85 00	.....	.....	2	75 00
47	3,416 99	19	1,378 73	32	1,594 47	6	235 23	6	185 04
93	9,134 54	12	1,054 25	27	1,656 01	43	2,290 33	20	835 56
32	2,886 50	19	1,793 50	20	1,039 00	2	80 00	6	160 00
1	50 00	.....	.....	.....	.....	.....	.....	.....	.....
1	62 50	.....	.....	2	65 00	.....	.....	.....	.....
5	466 33	23	2,643 33	7	460 00	20	1,200 00	6	395 00
7	382 00	3	180 00	5	151 50	.....	.....	1	32 50
1	100 00	.....	.....	1	45 00	2	60 00	2	50 00
2	160 00	.....	.....	.....	.....	.....	.....	.....	.....
3	375 00	7	810 00	2	250 00	.....	.....	2	105 00
4	360 00	1	150 00	1	35 00	1	45 00	.....	.....
23	2,171 00	6	420 00	11	705 00	1	40 00	2	65 00
56	4,657 85	27	2,410 20	20	1,206 66	18	883 50	19	724 50
36	4,328 95	7	1,070 00	6	633 33	4	195 00	12	574 00
3	249 99	.....	.....	1	75 00	1	40 00	1	40 00
1	133 33	1	333 33	1	20 00	.....	.....	1	20 00
10	472 50	2	72 00	3	77 50	.....	.....	.....	.....
5	375 00	3	300 00	2	110 00	4	155 00	1	50 00
6	984 00	3	350 00	2	155 00	3	151 67	3	140 00
15	975 00	3	250 00	4	170 00	1	45 00	1	25 00
54	3,771 66	14	899 33	35	1,625 35	9	327 33	10	362 66
.....
114	14,674 97	5	666 66	13	1,223 55	132	7,685 08	25	1,043 05
15	1,214 75	1	150 00	4	217 00	2	102 50	2	70 00
5	340 00	4	284 00	2	68 33	.....	.....	2	69 33
28	3,680 00	7	1,382 00	14	1,035 50	6	286 00	9	336 29
8	735 00	8	653 00	5	362 00	5	462 50	6	190 00
11	1,146 00	7	488 34	4	213 33	2	100 00	2	92 66
4	501 67	10	943 95	3	174 99	2	100 00	1	30 00
5	460 00	.....	.....	1	125 00	4	275 00	3	120 00
33	4,408 83	21	1,741 66	20	1,304 58	10	491 00	14	520 16
889	\$84,611 26	386	\$40,955 44	352	\$20,672 57	339	\$17,806 47	226	\$8,325 25

TABLE III — MANUFACTURES — STATE.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Advertising novelties and signs.....	19	\$225,378 50
Agricultural implements	42	2,723,913 32
Awnings, tents and flags.....	22	149,988 97
Bags (paper and burlap).....	13	252,773 32
Baskets	9	113,730 70
Bath cabinets	3	29,427 74
Bicycles, bicycle sundries and automobiles.....	24	1,244,070 64
Billiard tables, bar and store fixtures.....	25	338,342 29
Boilers, engines and tanks.....	87	4,636,014 37
Boots and shoes.....	58	4,201,288 58
Boxes (paper)	30	1,249,592 23
Boxes (wooden)	58	609,341 97
Bread and other bakery products.....	73	831,037 38
Brooms and brushes.....	49	398,524 66
Bungs	3	42,036 00
Canned goods	25	121,846 29
Carriages and wagons.....	240	3,861,543 74
Carriage and wagon materials.....	75	1,063,695 32
Cars and car furnishings.....	3	169,214 86
Chewing gum	2	8,292 16
Cigars	528	2,086,675 04
Clothing	222	4,838,190 74
Clothes wringers and washboards.....	5	51,182 97
Coffee, baking powder and spices.....	23	198,098 50
Coffins and burial cases.....	9	368,621 63
Confectionery	43	409,114 51
Cooperage	80	1,021,075 39
Copper and brass goods.....	57	1,100,571 42
Cordage and twine.....	3	184,422 74
Cotton and woolen goods (knit and woven).....	46	854,043 66
Cutlery and edge tools.....	6	291,841 33
Dairy products	2	9,700 00
Drugs, chemicals and druggists' sundries.....	55	565,798 70
Electrical goods and supplies.....	52	1,679,125 38
Elevators and hoisting machinery.....	8	128,729 75
Extracts, toilet articles and perfumery.....	22	101,155 74
Fertilizers	9	102,528 02
Filters	2	15,369 92
Fire extinguishers	2	192,947 04
Flouring mill products.....	168	1,070,261 22
Foundry and machine shop products.....	247	13,223,690 47
Furniture	134	2,403,207 28
Furs	2	9,872 62
Glass workers' supplies.....	3	47,187 00
Gloves and mittens.....	7	73,183 01
Gunpowder and other explosives.....	13	405,454 80
Hardware	30	1,721,754 60
Harness and saddlery.....	50	420,676 08
Hats, caps and furnishings.....	23	203,854 00
Hollow ware	2	57,000 00
Ice (artificial)	31	171,832 41
Inks	5	110,118 67
Iron (structural and architectural).....	50	1,888,608 02
Jewelry	23	956,287 56
Leather and leather goods.....	33	829,346 60
Lighting apparatuses	10	113,014 89
Lime, sand, cement and plaster.....	47	632,341 06
Lithographing, engraving and electrotyping.....	33	639,593 60
Machinery	208	8,772,369 36
Malt	7	42,538 74
Marble and granite.....	24	239,915 41
Matches	3	325,716 03
Mattresses and pillows.....	19	115,133 23
Mouldings and frames.....	12	348,663-00
Oilcloths and window shade cloth.....	4	50,795 76
Oil and grease.....	30	1,154,023 34
Paints and varnishes.....	43	455,562 13
Patterns and models.....	26	155,128 93
Pianos and other musical instruments.....	14	408,628 00
Pickles, preserves and sauces.....	8	133,716 17
Plating	8	137,336 49
Plumbing, steam and gas fitting supplies.....	18	451,021 50

TABLE IIh — MANUFACTURES — STATE.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
24	\$2,957 00	69	\$11,986 00	11	\$554 00	13	\$395 00	14	\$404 50
173	21,138 99	301	27,745 83	59	5,137 33	123	8,175 46	63	2,502 16
21	2,007 00	34	2,226 33	10	653 00	9	362 00	7	215 00
28	3,790 68	38	3,250 30	11	919 38	14	826 02	16	529 67
12	1,300 00	1	100 00	6	283 16	1	35 00		
4	435 00			2	80 00	12	243 00	7	255 00
61	9,161 73	40	4,290 00	24	1,619 99	41	2,071 99	30	1,245 00
36	2,939 33	36	3,264 00	42	2,191 33	14	635 00	22	713 00
219	25,572 93	61	7,271 00	84	6,288 89	103	5,398 66	62	2,633 50
275	28,043 26	362	45,340 32	63	4,600 16	255	8,448 80	41	1,420 25
41	4,656 00	27	2,596 00	16	947 00	11	545 00	15	563 00
53	4,957 34	10	893 33	36	2,083 43	14	506 50	11	272 00
98	10,620 22	263	17,643 71	56	3,293 62	73	2,096 65	14	455 33
33	4,030 42	39	3,577 00	12	766 50	15	672 00	11	378 00
4	429 00	3	238 00	2	182 00	4	160 00	2	91 00
26	1,957 15	11	1,200 00	11	653 25	5	194 12	2	80 00
305	29,937 09	173	18,096 96	119	7,503 15	133	6,153 15	118	4,203 67
129	12,315 60	18	1,953 00	52	3,335 75	17	731 83	26	776 17
17	1,495 00			5	285 00	9	350 00	3	125 00
1	125 00	3	250 00	1	60 00	1	00 00	1	32 00
155	10,941 73	156	15,346 66	52	3,622 33	40	1,629 00	20	794 00
215	25,910 47	543	63,916 04	182	13,806 33	353	14,657 39	86	2,953 98
6	709 91	5	591 67	2	75 00	2	120 00	2	130 00
27	3,123 17	228	13,769 32	30	2,103 50	50	3,566 00	31	939 00
19	3,604 49	36	4,045 58	8	668 32	15	895 00	5	220 00
33	3,648 00	88	5,984 50	23	1,611 40	37	1,297 00	10	275 50
116	7,626 61	11	1,210 00	33	1,983 00	7	396 00	9	305 00
110	10,937 00	41	3,907 00	43	3,175 01	44	2,141 00	40	1,279 83
18	2,259 67	4	425 00	4	284 80	4	202 50	4	208 35
74	8,348 16	26	2,040 13	24	1,641 31	25	1,114 00	11	346 50
20	2,485 00	35	5,811 67	9	460 00	12	352 00	11	345 00
2	280 00	1	60 00	1	60 00			1	35 00
94	10,872 29	246	28,591 00	54	3,455 83	122	4,537 65	95	3,301 32
127	16,018 00	45	4,511 67	45	3,063 33	119	5,632 00	78	2,937 83
8	1,255 00	9	1,005 00	5	310 00	5	214 00	9	253 00
17	2,306 33	67	5,956 65	13	1,010 50	8	415 00	16	547 00
13	1,428 33	35	2,645 00	10	810 00	10	508 00	7	370 00
2	254 16	4	310 00	2	110 00	1	25 00	2	94 00
3	783 33	1	50 00	5	420 00	1	40 00	2	100 00
147	14,576 81	75	5,156 73	100	5,402 46	39	1,794 89	31	1,056 54
623	85,774 14	495	37,671 49	242	17,596 96	432	21,983 91	282	12,793 30
241	23,798 83	167	17,222 15	93	5,848 83	44	1,897 66	48	1,786 66
		1	100 00	1	65 00	1	43 33		
6	460 00	1	75 00	1	60 00			1	35 00
14	986 00	2	210 00	2	110 00			2	70 00
25	4,262 17	16	2,117 50	21	1,582 82	4	210 00	9	403 00
79	9,712 73	59	5,984 33	35	2,638 00	63	3,698 33	30	1,369 00
35	2,513 00	46	3,640 00	23	1,400 50	33	1,586 00	10	410 50
25	1,906 00	31	3,563 00	16	932 00	20	731 00	8	253 00
1	100 00			1	45 00	2	60 00	2	50 00
31	3,048 33	2	185 00	20	1,356 33	9	370 00	1	39 00
10	1,970 00	24	3,620 00	3	360 00	7	465 00	6	307 00
115	14,462 69	52	6,129 66	41	3,123 16	125	7,357 00	39	1,503 50
43	4,607 33	14	1,565 00	14	991 66	12	702 33	7	208 80
49	6,827 99	33	3,528 33	26	1,781 66	13	604 00	14	433 16
25	1,977 00	3	286 67	9	614 66	20	905 00	11	388 00
51	7,205 49	30	2,564 16	35	2,102 65	18	1,098 70	15	521 30
76	7,144 32	45	4,414 01	25	1,556 66	33	1,825 33	15	527 00
657	87,067 15	311	41,496 49	234	18,468 60	446	26,185 81	226	9,501 02
9	805 00	2	236 67	4	175 00	4	175 00	1	36 00
30	2,815 00	15	886 66	10	637 50	3	145 00	5	155 00
36	4,328 95	7	1,070 00	6	633 33	4	195 00	12	574 00
8	555 00	14	930 00	6	380 00	6	168 00	6	140 00
38	3,440 00	39	3,780 00	13	1,005 00	22	819 00	6	210 00
6	848 40	4	400 00	3	185 00	5	249 00	4	171 66
90	15,409 21	171	14,801 13	55	4,917 50	196	11,283 24	60	2,679 33
89	12,377 32	166	21,739 05	48	4,407 00	81	3,353 83	51	2,261 00
12	1,297 00			5	180 00	3	105 00	4	155 00
17	2,331 35	10	1,318 33	7	474 66	6	173 00	5	194 00
14	1,105 00	30	2,735 00	8	492 00	5	275 00	7	225 00
3	403 00	4	808 32	2	188 33	2	86 67	3	101 83
33	3,809 15	27	2,664 98	15	1,045 83	26	1,259 16	14	556 00

TABLE IIh — MANUFACTURES — STATE — Continued.

Industries.	Number of establishments reported.	Total amount paid in wages during year 1901.
Potters' supplies	3	44,395 06
Printing and binding.....	371	3,664,335 58
Printers' rollers	2	2,380 00
Pumps and water-wheels.....	13	286,559 10
Regalia	8	99,128 83
Roofing (iron, steel and tin).....	25	144,292 90
Rubber goods	18	1,563,363 63
Rugs and carpet cleaning.....	2	26,566 14
Safes, vaults and locks.....	12	973,032 55
Salt	8	270,111 55
Sash, doors, lumber and interior finish.....	238	2,746,339 68
Slaughtering and meat packing.....	31	708,046 93
Soap, candles and tallow.....	48	679,097 10
Soda and mineral waters.....	68	186,758 18
Starch	2	18,445 00
Steel, iron and tin.....	72	19,681,962 60
Stencils, stamps and seals.....	15	53,303 12
Stone (cut, sawed and artificial).....	42	1,354,275 75
Stoves, ranges and furnaces.....	67	2,494,514 61
Strawboards and paper.....	45	1,391,217 28
Tinware, sheet iron and galvanized ironware.....	92	993,361 66
Tobacco (chewing and smoking).....	14	451,773 03
Tools	77	2,352,026 03
Trunks and valises.....	14	112,852 18
Umbrellas and parasols.....	4	25,280 51
Whips	3	31,140 63
Wire rods, wire cloth and wire goods.....	24	905,179 43
Miscellaneous	238	2,804,160 17
Totals	4,780	\$118,994,053 43

TABLE IIh — MANUFACTURES — STATE — Concluded.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
3	388 33	.....	.....	4	253 33	.....	.....	2	70 00
452	48,030 82	135	12,375 17	179	10,454 24	269	12,530 49	110	3,728 99
1	75 00	1	100 00	1	80 00	.....	.....	.....	.....
26	2,968 32	23	2,180 00	10	530 00	19	1,025 00	7	351 67
6	826 00	20	1,910 00	8	458 00	14	588 00	14	519 00
24	1,984 00	11	1,000 00	12	670 67	13	690 00	9	307 00
55	7,186 32	59	6,155 00	26	2,128 33	74	4,040 87	79	3,713 01
4	228 00	.....	.....	8	102 00	2	78 00	1	30 00
55	8,723 16	64	14,295 00	14	1,556 67	40	2,281 00	22	1,048 66
23	2,575 00	13	1,413 32	9	655 00	14	658 00	6	240 00
279	24,752 64	71	5,389 33	165	9,438 26	90	4,833 33	55	1,363 66
38	5,115 00	164	8,880 33	80	5,511 33	36	1,630 66	7	326 66
84	12,282 16	203	21,396 65	45	3,334 79	95	4,177 85	39	1,408 00
34	2,555 33	56	3,265 33	13	655 00	8	330 00	.....	.....
2	170 00	17	1,245 00	1	75 00	.....	.....	.....	.....
445	68,320 52	31	5,395 69	64	5,840 17	672	40,126 31	87	4,239 38
7	412 00	3	265 00	2	100 00	7	210 00	2	34 00
85	10,830 19	25	3,220 80	25	1,863 65	29	1,775 82	18	751 00
141	14,978 64	146	13,362 65	68	4,890 65	71	3,510 67	53	2,084 31
77	10,740 98	15	2,822 00	51	5,723 74	23	1,178 00	29	1,012 00
109	12,203 58	53	5,139 66	56	3,959 34	58	3,071 50	50	1,828 82
17	2,811 66	65	10,465 00	11	853 00	11	737 35	8	362 00
162	21,568 39	51	7,043 91	57	3,762 70	94	4,350 47	38	1,601 80
14	988 33	12	929 17	11	545 67	8	270 00	4	106 00
5	299 00	10	1,300 00	3	128 00	1	40 00	2	60 00
4	501 67	10	943 95	3	174 99	2	100 00	1	30 00
41	4,441 33	19	1,812 50	16	1,066 33	47	2,288 99	24	1,193 00
288	31,333 84	219	18,509 29	154	9,977 09	148	6,742 09	134	4,617 83
7,738	\$907,231 01	6,462	\$659,126 96	3,385	\$235,758 32	5,251	\$262,851 32	2,641	\$103,054 95

TABLE II.—MANUFACTURES—BY CITIES.

Cities.	Number of establishments reported.	Total amount paid in wages during year 1901.
Akron	90	\$3,605,966 35
Alliance	17	676,047 63
Ashtabula	20	217,073 23
Bellaire	11	726,848 05
Bucyrus	19	292,940 02
Cambridge	13	457,902 63
Canton	94	2,812,407 36
Chillicothe	19	161,638 91
Circleville	13	57,634 80
Defiance	16	254,427 73
Delaware	12	119,032 59
East Liverpool	16	115,915 90
Elyria	20	233,997 68
Findlay	42	277,458 74
Fostoria	24	218,709 75
Fremont	33	566,752 71
Galion	16	193,788 02
Gallipolis	12	57,123 10
Hamilton	71	2,522,958 66
Ironton	31	835,019 27
Kenton	18	190,644 75
Lancaster	21	282,274 48
Lima	50	794,539 47
Lorain	17	1,680,451 72
Mansfield	70	1,007,597 01
Marietta	43	533,710 59
Marion	29	766,111 53
Martins Ferry	16	702,304 60
Massillon	35	1,066,022 20
Middletown	29	873,298 96
Mt. Vernon	11	292,840 00
Newark	34	601,405 32
Norwalk	25	254,206 02
Piqua	46	839,030 01
Pomeroy	10	70,047 61
Portsmouth	38	1,009,824 93
Salem	19	671,299 52
Sandusky	65	771,545 71
Springfield	108	2,681,223 03
Steubenville	21	582,866 12
Tiffin	42	234,803 54
Urbana	23	226,454 01
Warren	30	767,196 48
Wooster	15	72,149 42
Xenia	14	297,439 52
Youngstown	45	6,023,688 17
Zanesville	42	652,275 47
Totals	1,505	\$38,398,957 22

TABLE II:—MANUFACTURES—BY CITIES.

Office help.									
Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
185	\$24,968 19	123	\$12,391 83	88	\$6,571 33	165	\$8,817 18	139	\$6,137 17
51	4,897 89	6	725 00	27	1,710 75	6	265 66	7	252 70
14	1,568 66	4	243 00	9	361 66	2	73 00	2	71 66
14	2,101 16	2	150 00	5	250 00	10	712 70	3	86 00
21	2,233 31	20	2,258 00	12	612 00	12	632 00	7	203 00
16	1,715 95	1	50 00	9	510 00	13	693 08	3	139 00
236	25,054 47	125	13,059 99	73	5,031 16	157	7,931 61	78	2,964 36
16	1,717 16	6	985 00	6	289 25	4	161 12	2	55 00
10	761 00	11	789 00	4	218 00	.....	.....	5	102 00
21	2,390 51	7	610 00	11	481 16	5	228 33	2	110 00
13	1,331 00	5	390 00	7	433 00	1	20 00	5	159 00
13	1,148 16	.....	.....	9	537 33	.....	.....	2	70 00
27	2,905 16	8	574 95	8	479 33	8	367 06	11	371 00
22	1,866 61	11	688 64	15	799 63	5	220 00	3	110 00
28	3,378 68	12	1,143 34	14	758 34	9	263 00	5	190 00
49	5,520 00	70	9,765 00	20	1,111 00	26	1,073 00	19	606 00
23	1,892 00	11	1,083 33	8	467 00	5	165 00	5	159 00
12	770 33	4	208 33	4	183 33	1	33 33	1	33 33
125	16,588 70	139	23,518 71	59	6,570 54	61	3,603 13	47	1,711 14
47	5,151 99	13	1,065 82	19	1,261 99	12	675 00	6	197 00
20	2,167 33	14	1,037 82	11	611 66	13	867 00	5	128 00
28	2,427 00	41	2,880 00	7	480 00	4	195 00	2	70 00
47	6,143 67	15	1,579 49	34	2,256 66	11	467 00	6	289 33
54	11,273 66	18	3,564 03	20	1,677 94	95	5,330 51	13	616 78
102	11,638 43	108	9,913 00	46	2,925 17	36	1,803 00	43	1,567 64
59	5,932 99	19	1,801 00	24	1,370 00	18	570 00	6	256 00
58	6,514 32	29	2,316 00	23	1,499 83	32	1,569 00	18	908 00
26	3,284 30	5	472 00	5	471 32	13	707 00	5	180 00
74	8,743 33	25	2,331 67	16	1,300 00	22	1,665 00	16	744 00
64	8,752 67	77	11,095 00	28	2,003 00	26	1,321 35	20	687 66
15	1,523 83	6	1,430 00	6	304 00	10	511 00	5	183 50
54	5,347 33	21	1,316 25	18	949 00	16	520 66	10	320 00
26	2,712 22	17	2,033 33	13	638 33	5	260 00	10	355 00
46	4,146 76	74	5,106 00	19	1,257 81	22	814 50	17	478 33
8	697 77	1	40 00	6	304 67	3	100 00	.....	.....
106	8,735 92	72	8,342 41	24	1,530 16	110	3,139 82	11	366 82
42	4,374 58	12	1,280 50	14	827 33	29	1,680 32	14	528 00
56	6,350 50	29	2,550 00	28	1,590 33	31	1,424 00	13	458 00
202	23,258 39	250	24,657 99	68	5,278 49	76	4,526 16	75	2,826 66
21	2,872 93	11	940 00	9	638 00	14	753 00	7	265 00
18	1,753 30	13	1,007 00	15	840 00	12	448 40	13	272 17
30	2,746 09	26	1,845 00	12	671 67	4	148 00	7	245 00
47	4,729 50	16	1,240 00	23	1,397 50	9	600 00	17	708 50
16	1,205 00	12	933 33	6	198 00	3	45 00	3	52 00
21	3,326 33	11	1,150 00	8	540 13	10	475 50	6	294 35
170	22,304 52	12	1,563 23	36	2,622 47	145	8,946 19	18	828 30
50	5,630 64	64	4,891 48	30	1,954 81	22	972 33	14	458 83
2,418	\$276,554 34	1,579	\$167,041 50	956	\$64,825 08	1,293	\$65,798 94	726	\$27,815 28

TABLE III.

GIVING BY INDUSTRIES THE NUMBER OF ESTABLISH-
MENTS REPORTED, NUMBER OF MALES AND
FEMALES EMPLOYED EACH MONTH, AND
THE MONTHLY AVERAGE OF MALES
AND FEMALES FOR THE
YEAR 1901.

TABLE IIIa — MANUFACTURES — CLEVELAND.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	2	5	.....	5	.....	6	.....	6	.....	6	.....
Awnings, tents and flags.....	5	36	36	48	45	65	52	83	68	118	87
Bags (paper and burlap).....	4	137	177	139	190	141	192	142	187	141	191
Bicycles, bic. sunds. & autombls	7	869	29	863	32	845	28	792	28	701	25
Billiard tables, bar & store fixtrs	5	161	1	163	1	165	1	169	1	175	1
Boilers, engines and tanks	3	3,136	.....	3,264	.....	3,229	.....	3,117	.....	3,034	.....
Boots and shoes.....	4	252	227	252	227	252	227	252	227	252	227
Boxes (paper).....	5	71	218	64	224	67	232	67	222	63	218
Boxes (wooden).....	13	359	38	362	38	369	36	384	37	390	36
Bread and other bakery products	7	252	79	251	79	256	82	261	108	275	111
Brooms and brushes.....	5	49	36	50	34	49	35	53	41	52	39
Carriages and wagons	29	301	.....	311	.....	324	.....	332	.....	333	.....
Carriage and wagon materials....	2	56	.....	56	.....	56	.....	56	.....	59	.....
Cigars.....	46	426	405	422	405	423	422	424	422	422	421
Clothes wringers and washboards	2	141	.....	149	.....	141	.....	145	.....	155	.....
Clothing.....	66	1,292	1993	1,445	2181	1,495	2240	1,507	2213	1,410	2126
Coffee, baking powder & spices	2	3	.....	3	.....	3	.....	11	3	11	3
Confectionery.....	8	161	247	161	247	162	248	161	246	161	247
Cooperage.....	5	249	1	248	1	259	1	257	1	255	1
Copper and brass goods.....	18	561	12	577	12	606	12	619	12	630	12
Cotton and woolen goods (knit and woven).....	9	248	956	262	989	253	993	258	969	252	969
Drugs, chem. & druggists' sun.	9	455	6	534	7	466	7	486	8	497	8
Electrical goods and supplies....	17	1,524	129	1,563	137	1,639	141	1,715	136	1,816	140
Elevators & hoisting machinery	3	59	.....	60	.....	65	.....	62	.....	58	.....
Extr'ts, toilet art'l's & perfum'y	4	18	25	18	26	20	27	20	29	22	29
Fertilizers.....	2	129	.....	129	.....	129	.....	129	.....	129	.....
Flouring mill products.....	4	74	10	74	10	74	10	74	10	74	10
Foundry and mach. shop prod's	64	7,986	411	8,006	413	8,225	415	8,452	412	8,549	422
Furniture.....	7	114	2	117	2	137	3	137	3	134	3
Gunpowder and other explosives	2	83	35	86	35	87	32	83	30	86	30
Hardware.....	13	2,117	7	2,142	7	2,235	17	2,318	34	2,332	34
Harness and saddlery.....	5	36	4	36	4	36	4	39	4	39	4
Hats, caps and furnishings....	8	135	293	135	293	137	294	137	294	126	243
Ice (artificial).....	4	87	.....	85	.....	37	.....	44	.....	42	.....
Inks.....	2	17	2	17	2	17	2	17	2	17	2
Iron (structural & architectural)	14	1,180	7	1,163	7	1,156	7	1,208	7	1,201	7
Jewelry.....	3	13	.....	13	.....	13	.....	13	.....	13	.....
Leather and leather goods.....	5	141	2	141	2	141	2	140	2	140	2
Lighting apparatuses.....	2	58	.....	57	.....	48	.....	37	.....	37	.....
Lime, sand, cement and plaster	4	239	.....	240	.....	337	.....	338	.....	363	.....
Lithograph'g, eng., & electrtpg	9	215	7	215	6	213	7	214	6	213	6
Machinery.....	37	3,600	29	3,652	29	3,786	28	3,888	29	3,980	30
Marble and granite.....	3	129	.....	133	.....	124	.....	117	.....	132	.....
Mouldings and frames.....	4	356	.....	359	.....	361	.....	361	.....	380	.....
Oil and grease.....	14	1,530	96	1,522	92	1,504	82	1,504	96	1,529	84
Paints and varnishes.....	11	413	81	436	98	433	98	444	108	455	100
Patterns and models.....	5	89	3	97	3	103	3	100	3	104	3
Pianos & other mus. instrum'ts	2	56	1	53	1	61	1	60	1	60	1
Plating.....	2	18	.....	18	.....	18	.....	18	.....	18	.....
Plumb'g, steam & gasftg sups.	3	249	14	254	14	269	14	276	14	279	14
Printing and binding.....	59	974	289	981	293	1,000	303	985	296	983	290
Pumps and water-wheels.....	3	21	.....	18	.....	18	.....	19	.....	19	.....
Roofing (iron, steel and tin)...	3	18	.....	18	.....	20	.....	20	.....	22	.....
Rubber goods.....	5	327	64	352	59	405	90	403	141	352	140
Rugs and carpet cleaning.....	2	30	12	28	12	35	13	55	26	62	30
Salt.....	2	177	91	146	92	159	81	169	80	216	67
Sash, doors, lumber & int. finish	18	743	.....	714	.....	716	.....	695	.....	783	.....
Slaughtering and meat packing	8	633	19	633	19	632	19	632	19	634	19
Soap, candles and tallow.....	6	43	3	42	3	42	3	42	3	42	3
Soda and mineral waters.....	7	40	1	41	1	41	1	46	1	52	1
Steel, iron and tin.....	8	6,673	68	6,985	68	7,203	52	7,195	65	7,163	61
Stencils, stamps and seals.....	5	12	.....	12	.....	12	.....	12	.....	12	.....
Stone (cut, sawed and artificial)	6	1,252	.....	992	.....	1,203	.....	1,722	.....	1,837	.....
Stoves, ranges and furnaces.....	14	1,499	16	1,673	16	1,805	16	1,921	16	1,833	16
Strawboards and paper.....	2	56	39	59	41	61	42	61	41	56	41
Tinware, sheet iron and galvan-ized ironware.....	14	259	21	264	21	266	21	520	21	482	21
Tools.....	10	708	102	709	102	712	102	713	102	713	102
Trunks and valises.....	5	117	26	117	24	111	23	114	24	115	26
Umbrellas and parasols.....	2	11	33	11	33	11	33	11	33	11	33
Wire rods, wire cloth and wire goods.....	6	828	45	828	47	852	55	867	52	875	53
Miscellaneous.....	48	1,864	128	1,887	126	1,929	132	1,884	133	1,874	157
Totals and averages.....	752	46,119	6576	46,913	6880	48,275	6981	49,613	7066	49,836	6947

TABLE IIIa — MANUFACTURES — CLEVELAND.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
6	.....	5	.....	5	.....	6	.....	5	.....	5	.....	5	.....	5	.....
119	99	104	95	81	66	75	33	70	20	51	18	36	18	74	53
151	216	154	218	164	218	168	217	175	220	178	212	179	211	156	204
598	20	569	20	542	19	544	23	587	25	641	22	684	20	686	24
179	1	177	1	180	1	172	1	169	1	170	1	167	1	171	1
2,788	.....	2,781	.....	2,634	.....	2,678	.....	2,661	.....	2,790	.....	3,171	.....	2,940	.....
259	235	259	235	259	235	259	235	259	235	252	227	252	227	255	230
65	227	60	223	65	228	69	232	68	245	70	240	69	245	67	230
383	35	380	36	376	38	399	37	408	37	388	38	380	38	381	37
275	113	279	123	286	141	287	152	282	150	278	151	270	144	271	119
50	37	52	42	49	44	53	38	53	38	51	40	51	38	51	39
340	.....	336	.....	332	.....	324	.....	311	.....	304	.....	306	.....	321	.....
58	.....	56	.....	59	.....	59	.....	59	.....	59	.....	58	.....	58	.....
426	421	434	421	416	406	414	406	412	413	422	413	423	415	422	414
160	.....	150	.....	181	.....	210	.....	249	.....	60	.....	66	.....	151	.....
1,436	2,120	1,537	2,246	1,550	2,261	1,612	2,374	1,631	2,413	1,601	2,331	1,376	2,007	1,491	2,209
11	3	11	3	12	4	12	4	12	4	12	4	12	4	9	3
163	260	163	250	156	333	168	348	170	416	177	376	168	346	164	297
248	1	234	1	232	1	249	1	255	1	254	1	244	1	249	1
631	12	621	12	620	12	623	12	623	12	623	12	632	12	614	12
253	978	260	1026	262	1039	261	1025	267	1018	270	1045	282	922	261	994
506	8	506	7	514	7	521	8	550	7	561	7	568	6	514	7
1,837	144	1,877	152	2,115	251	1,913	277	1,906	309	1,889	347	1,905	333	1,808	212
56	.....	56	.....	53	.....	56	.....	59	.....	63	.....	63	.....	59	.....
22	29	23	29	23	29	22	29	21	28	21	28	21	30	21	23
129	.....	129	.....	150	.....	140	.....	129	.....	110	.....	110	.....	128	.....
75	10	74	10	74	10	74	10	74	10	74	10	75	10	74	10
8,609	425	8,548	429	8,683	429	8,765	432	8,915	437	9,111	433	9,128	427	8,581	424
136	3	117	3	117	3	124	3	138	3	142	3	139	3	129	3
89	35	91	35	92	35	92	32	90	30	96	30	94	30	89	32
2,307	34	2,235	34	2,309	34	2,362	45	2,403	42	2,409	40	2,360	40	2,294	31
39	4	39	4	39	4	39	4	39	4	36	4	36	4	38	4
76	93	105	143	205	243	206	294	257	244	66	93	135	143	143	222
43	.....	43	.....	43	.....	43	.....	38	.....	38	.....	37	.....	40	.....
17	2	17	2	17	2	17	2	17	2	17	2	17	2	17	2
1,233	7	1,280	7	1,408	7	1,429	7	1,462	7	1,455	7	1,334	7	1,292	7
13	.....	13	.....	13	.....	15	.....	15	.....	16	.....	16	.....	14	.....
138	2	138	2	137	2	137	2	137	2	138	2	137	2	139	2
37	.....	46	.....	63	.....	68	.....	81	.....	79	.....	84	.....	58	.....
343	.....	324	.....	343	.....	334	.....	325	.....	323	.....	309	.....	318	.....
215	6	214	6	214	6	213	6	215	7	219	7	218	7	215	6
4,097	30	4,229	31	4,192	31	4,188	26	4,220	25	4,094	23	4,077	23	4,000	23
139	.....	137	.....	126	.....	134	.....	149	.....	148	.....	149	.....	135	.....
357	.....	358	.....	365	.....	369	.....	370	.....	370	.....	362	.....	362	.....
1,553	83	1,584	78	1,603	85	1,648	96	1,676	97	1,644	100	1,652	108	1,579	91
455	81	444	64	444	52	467	54	437	63	422	63	423	60	439	77
106	3	94	3	88	2	79	1	90	2	88	2	88	3	94	3
58	1	60	1	58	1	59	1	67	1	66	1	60	1	60	1
18	.....	18	.....	18	.....	18	.....	18	.....	18	.....	18	.....	18	.....
279	14	274	14	280	14	307	14	305	14	301	14	270	14	279	14
978	288	951	280	948	292	962	291	981	300	1,008	308	996	316	976	296
20	1	18	1	20	1	18	1	17	1	16	1	15	1	18	1
31	.....	31	.....	31	.....	31	.....	28	.....	22	.....	18	.....	24	.....
328	140	303	141	278	141	227	112	252	112	252	112	2	14	291	108
50	30	40	28	39	26	42	26	40	25	38	22	34	18	41	22
223	69	344	66	283	71	251	73	255	88	281	102	278	92	240	81
855	.....	936	.....	949	.....	851	.....	856	.....	802	.....	751	.....	805	.....
633	19	634	19	632	19	633	19	634	19	633	19	635	19	633	19
42	3	42	3	42	3	42	3	42	3	42	3	42	3	42	3
59	1	64	1	62	1	56	1	51	1	45	1	42	1	50	1
7,008	63	6,909	53	7,478	63	7,360	56	7,669	53	7,423	55	6,906	64	7,164	60
12	.....	12	.....	12	.....	12	.....	12	.....	12	.....	12	.....	12	.....
1,835	.....	1,831	.....	1,851	.....	1,866	.....	1,747	.....	1,617	.....	1,416	.....	1,593	.....
1,717	8	1,390	8	1,242	8	1,307	8	1,506	8	1,558	8	1,522	16	1,581	12
50	16	53	16	53	16	55	16	50	17	53	16	52	18	55	27
474	21	455	21	426	21	415	21	434	21	446	21	456	21	408	21
714	102	709	102	712	102	713	102	723	102	727	103	727	102	715	102
118	26	123	28	129	30	128	31	126	28	127	28	128	28	121	27
11	33	11	33	11	33	11	33	11	33	11	33	11	33	11	33
860	46	855	49	866	60	881	61	885	60	869	50	853	43	860	51
1,882	152	1,865	142	1,835	124	1,811	120	1,815	145	1,821	150	1,849	135	1,860	137
49,584	6,811	49,271	6997	50,146	7304	50,093	7455	51,063	7598	50,473	7379	49,461	6876	49,237	7072

TABLE IIIb — MANUFACTURES — COLUMBUS.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Awnings, tents and flags	3	5	3	6	5	7	12	10	15	10	15
Billiard tables, bar & store fixtrs.	2	29	.....	29	.....	30	.....	31	.....	29	.....
Boilers, engines and tanks.....	4	197	.....	198	.....	203	.....	229	.....	227	.....
Boots and shoes	9	1,383	1000	1,403	1011	1,413	1021	1,413	1019	1,399	1016
Boxes (paper)	2	25	87	25	87	25	89	24	89	25	90
Boxes (wooden)	4	74	18	79	18	68	18	48	18	54	18
Bread & other bakery products	7	172	56	172	57	175	57	176	59	185	58
Carriages and wagons	15	1,061	43	1,188	47	1,236	49	1,288	48	1,322	52
Carriage and wagon materials....	5	232	16	233	16	233	16	242	16	231	16
Cigars	16	63	257	62	257	61	257	63	258	64	259
Clothing	4	4	76	3	76	4	78	4	78	4	76
Coffee, baking powder & spices	2	38	16	38	16	38	16	38	16	38	16
Confectionery	4	24	39	24	43	32	44	32	44	33	49
Cotton and woolen goods (knit and woven)	2	16	56	19	58	19	58	20	58	19	58
Drugs, chemicals and druggists' sundries	4	142	110	145	110	147	113	146	111	147	111
Flouring mill products	4	.....	.....	40	.....	35	.....	33	.....	30	.....
Foundry & mach. shop products	16	1,074	23	1,157	24	1,249	24	1,245	23	1,240	23
Furniture	4	149	18	164	19	184	19	184	19	184	20
Gloves and mittens	2	34	73	35	74	35	75	35	75	35	75
Harness and saddlery.....	5	63	.....	63	.....	67	.....	67	.....	63	.....
Ice (artificial)	2	96	1	94	1	79	1	87	1	113	2
Iron (structural & architectural)	4	135	1	118	1	128	1	145	1	148	1
Jewelry	2	116	32	79	27	78	27	74	28	72	29
Leather and leather goods.....	2	60	.....	60	.....	60	.....	60	.....	60	.....
Lighting apparatuses	3	72	25	77	25	77	25	76	25	71	25
Lime, sand, cement and plaster	2	13	.....	13	.....	13	.....	22	.....	22	.....
Lithographing, engraving and electrotyping	4	75	6	78	7	80	6	79	6	78	6
Machinery	6	1,251	3	1,238	3	1,261	3	1,237	3	1,285	3
Paints and varnishes.....	3	44	4	46	5	49	5	52	5	57	6
Printing and binding	22	310	110	318	120	323	116	324	118	320	114
Sash, doors, lumber and interior finish	10	187	.....	181	.....	187	.....	193	.....	199	.....
Soap, candles and tallow	2	14	4	14	4	14	4	14	4	14	4
Soda and mineral waters.....	2	15	.....	15	.....	15	.....	17	.....	19	.....
Starch	2	2	15	2	15	3	22	3	22	3	22
Steel, iron and tin	2	794	1	832	1	831	1	813	1	881	1
Stone (cut, sawed and artificial)	6	323	.....	336	.....	391	.....	406	.....	472	.....
Stoves, ranges and furnaces....	5	123	1	111	1	116	1	109	1	114	3
Tinware, sheet iron and galvanized ironware	7	153	1	135	1	132	1	127	1	146	1
Tools	5	121	.....	122	.....	124	.....	126	.....	128	.....
Trunks and valises	3	32	11	31	7	31	12	33	12	31	13
Wire rods, wire cloth and wire goods	3	19	1	24	1	23	1	30	1	32	1
Miscellaneous	27	548	376	548	386	566	409	570	431	577	427
Totals and averages.....	238	9,328	2483	9,555	2523	9,847	2581	9,925	2606	10,181	2610

TABLE IIIb — MANUFACTURES — COLUMBUS.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
11	15	10	14	7	13	6	8	6	6	5	4	5	3	7	9
28	.....	28	.....	27	.....	29	.....	30	.....	30	.....	20	.....	29	.....
210	.....	176	.....	185	.....	193	.....	193	.....	195	.....	201	.....	201	.....
1,397	1,005	1,368	988	1,384	999	1,387	1000	1,406	1020	1,408	1023	1,411	1017	1,398	1010
25	92	24	87	24	87	27	92	27	102	27	107	27	107	25	93
62	18	52	18	54	18	57	18	78	18	58	18	60	18	62	18
185	58	188	54	159	42	173	41	185	46	209	67	212	67	182	55
1,261	51	1,138	39	1,021	40	918	34	926	33	924	35	951	35	1,103	42
219	16	186	16	170	14	179	15	184	13	203	11	216	11	211	15
62	261	62	261	63	262	62	262	65	260	65	260	65	259	63	259
5	83	5	83	6	75	5	77	5	112	5	113	4	114	4	87
38	16	38	16	38	16	38	16	38	16	38	16	38	16	38	16
31	53	30	46	31	47	40	62	62	86	72	96	66	94	40	59
19	59	18	59	18	58	19	59	20	61	20	59	20	55	19	58
148	113	151	117	152	119	157	124	162	133	162	131	165	129	152	118
40	.....	38	.....	37	.....	35	1	32	1	39	1	43	1	37	.....
1,270	23	1,203	22	1,183	22	1,222	22	1,223	22	1,226	22	1,184	23	1,206	23
164	20	160	20	162	20	169	20	179	20	182	20	149	23	169	20
35	75	36	75	36	76	37	76	37	80	39	80	40	80	36	76
63	.....	63	.....	63	.....	61	.....	59	.....	59	.....	59	.....	63	.....
111	2	164	2	162	2	164	2	95	2	68	2	42	2	106	2
164	1	165	1	160	1	183	1	179	1	178	1	174	1	156	1
73	22	67	22	71	22	73	24	82	25	84	31	84	32	79	27
60	.....	60	.....	60	.....	60	.....	60	.....	60	.....	60	.....	60	.....
59	16	52	16	43	22	44	22	54	22	65	25	64	25	63	23
22	.....	22	.....	22	.....	22	.....	22	.....	22	.....	13	.....	19	.....
79	6	79	7	81	7	84	7	86	7	83	7	85	7	81	7
1,424	3	1,482	3	1,443	3	1,452	3	1,488	3	1,483	3	1,475	3	1,377	3
56	6	49	5	47	4	49	5	49	5	42	4	44	4	49	5
325	121	313	106	309	103	319	108	335	120	337	122	332	121	322	115
201	.....	202	.....	203	.....	203	.....	196	.....	197	.....	188	.....	195	.....
14	4	14	4	14	4	14	4	14	4	14	4	14	4	14	4
23	.....	25	.....	24	.....	23	.....	19	.....	16	.....	14	.....	19	.....
3	22	3	22	2	15	2	15	2	15	2	15	2	15	2	18
914	1	880	1	905	1	883	1	920	1	907	1	804	1	864	1
477	.....	478	.....	543	.....	527	.....	527	.....	518	.....	439	.....	453	.....
112	5	174	6	186	6	191	6	208	6	193	3	186	2	152	3
152	1	147	1	157	1	173	1	203	1	213	1	208	1	162	1
131	.....	130	.....	131	.....	134	.....	136	.....	137	.....	136	.....	130	.....
29	9	28	8	30	9	29	11	28	11	27	11	27	7	30	10
37	1	35	1	42	1	40	1	35	1	37	1	34	1	32	1
570	421	556	379	573	328	577	365	590	382	580	383	588	386	570	389
10,309	2,599	10,099	2499	10,028	2437	10,060	2503	10,245	2635	10,229	2677	9,959	2669	9,980	2568

TABLE IIIc — MANUFACTURES — CINCINNATI.

Industries:	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.	5	53	20	53	20	53	20	53	21	51	23
Awnings, tents and flags.	6	74	86	75	86	76	121	78	124	78	130
Bags (paper and burlap).	7	117	92	117	90	118	91	118	91	119	94
Billiard tables, bar and store fix.	11	307	3	308	3	316	3	336	3	334	3
Boilers, engines and tanks.	12	328		305		331		338		337	
Boots and shoes.	30	3,941	2653	4,009	2684	4,017	2693	3,870	2649	3,918	2693
Boxes (paper)	8	85	350	87	357	85	360	84	350	84	347
Boxes (wooden)	15	392	115	386	113	384	114	388	108	383	107
Bread and other bakery products	20	347	210	343	201	343	216	340	213	370	236
Brooms and brushes.	13	135	15	135	15	137	15	138	15	129	14
Bungs	3	130	5	127	5	135	5	125	5	125	5
Carriages and wagons.	53	2,569	150	2,662	154	2,750	163	2,839	163	2,893	161
Carriage and wagon materials.	16	710	49	724	49	534	51	584	51	594	51
Cigars	68	1,170	1692	1,161	1701	1,155	1727	1,168	1730	1,187	1733
Clothing	113	1,950	3030	1,968	2987	2,049	3212	2,075	3228	2,024	3105
Coffee, bak'g powder and spices	9	114	60	114	59	114	59	114	60	114	59
Coffins and burial cases.	4	504	74	513	77	527	80	528	82	523	81
Confectionery	14	199	197	195	196	195	195	197	200	209	202
Cooperage	12	636		666		690		713		727	
Copper and brass goods.	22	936	52	948	52	968	50	1,002	48	992	52
Cotton and woolen goods (knit and woven)	9	99	318	103	323	106	326	106	322	108	324
Drugs, chemicals and druggists' sundries	18	177	102	176	102	176	103	176	102	175	101
Electrical goods and supplies.	8	421	22	412	21	433	21	465	20	470	20
Elevators and hoisting machin'y	5	148		138		140		140		148	
Extracts, toilet articles & perf'y	5	23	11	23	11	23	13	23	15	23	15
Filters	2	26		26		27		28	1	32	1
Flouring mill products.	3	26	6	27	6	27	6	26	6	26	6
Foundry and mach. shop prod's	26	1,642	3	1,631	3	1,759	3	1,790	3	1,788	3
Furniture	47	2,125	126	2,143	126	2,147	126	2,186	126	2,200	126
Furs	2	9	14	9	14	9	14	9	14	9	14
Gunpowder and other explosives	2	323	191	331	191	340	196	369	211	360	211
Hardware	4	238	1	242	1	254	1	243	1	247	1
Harness and saddlery.	12	446	15	464	14	460	15	465	15	444	13
Hats, caps and furnishings.	15	126	314	127	316	128	325	125	325	116	301
Ice (artificial)	5	28	1	29	1	31	1	33	1	41	1
Inks	3	101	3	101	3	101	3	101	3	101	3
Iron (structural and architect'l)	10	568	6	564	6	569	6	548	6	566	6
Jewelry	15	141	28	141	28	144	28	149	28	150	28
Leather and leather goods.	15	1,221		1,217		1,249		1,252		1,271	
Lithograph'g., engr. & elect'p'g.	17	493	45	497	39	500	38	657	45	658	36
Machinery	55	2,071	9	2,084	9	2,141	10	2,158	11	1,726	11
Malt	4	37		57		57		57		51	
Marble and granite.	8	201	2	206	2	201	2	202	2	208	2
Mattresses and pillows.	7	80	75	83	81	88	79	83	77	83	67
Mouldings and frames.	8	505	20	515	20	527	20	535	20	530	20
Oilcloth and window shade cloth	2	36	30	36	30	36	30	36	30	36	30
Oil and grease.	8	147		141		141		142		138	
Paints and varnishes.	13	290	5	294	5	297	5	297	5	295	5
Patterns and models.	11	123	3	118	3	113	3	118	3	119	3
Pianos and other mus. instrum's	3	512	5	507	5	516	6	512	6	508	7
Pickles, preserves and sauces.	6	129	164	133	150	129	129	137	142	115	163
Plating	2	195	4	195	4	195	4	195	4	195	4
Plumbing, steam and gas fitting supplies	3	219	5	225	5	233	5	245	5	250	5
Printing and binding.	95	2,173	1205	2,180	1213	2,189	1219	2,164	1226	2,172	1231
Printers' rollers	2	5		5		5		5		5	
Pumps and water-wheels.	2	301		304		311		311		308	
Regalia	3	66	208	69	212	72	228	72	231	72	229
Roofing (iron, steel and tin)	6	55	2	54	3	56	3	60	2	63	2
Safes, vaults and locks.	7	474		483		495		499		504	
Sash, doors, lum. and int. fin'h.	26	844	5	840	5	843	5	806	5	891	5
Slaughtering and meat packing.	18	717	15	690	15	690	15	678	15	700	15
Soap, candles and tallow.	22	1,098	477	1,108	481	1,110	479	1,141	482	1,169	483
Soda and mineral waters.	12	71	2	72	1	75	1	91	1	94	1
Stencils, stamps and seals.	5	57	10	57	10	57	10	57	10	57	10
Stone (cut, sawed and artificial)	4	130		72		113		159		268	
Stoves, ranges and furnaces.	10	440	2	472	2	479	2	488	2	469	2
Tinware, sheet iron and galvanized ironware	24	504	17	475	15	518	19	543	21	535	26
Tobacco (chewing and smoking)	5	55	128	61	128	61	128	62	128	63	135

TABLE IIIc — MANUFACTURES — CINCINNATI.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
52	21	51	21	52	21	53	21	54	22	54	22	54	22	53	21
77	130	77	100	74	98	73	117	72	117	74	117	72	82	75	109
120	96	119	95	119	95	119	94	125	98	125	99	123	98	120	94
321	3	327	3	326	3	327	3	330	3	332	3	332	3	325	3
353	.....	383	.....	387	.....	388	.....	373	.....	362	.....	311	.....	350	.....
3,885	2,705	3,997	2776	4,083	2842	4,033	2727	3,982	2659	4,050	2708	4,018	2722	3,984	2710
86	339	82	330	82	343	84	350	87	358	86	360	87	359	85	350
379	111	379	109	386	109	404	110	402	110	405	109	402	112	391	111
370	233	373	241	376	254	382	243	378	217	375	215	359	209	363	224
131	14	120	14	121	14	130	15	138	15	132	15	135	15	132	15
145	5	135	5	130	5	130	5	131	5	133	5	134	5	132	5
2,768	154	2,581	144	2,013	103	1,453	87	1,539	97	1,638	103	1,769	110	2,289	132
584	45	544	41	521	41	517	40	601	39	621	38	673	42	601	45
1,189	1,733	1,181	1763	1,165	1773	1,217	1769	1,215	1766	1,191	1757	1,207	1747	1,184	1741
1,988	3,030	1,935	2958	1,961	3020	2,046	3118	2,065	3108	2,047	3043	1,988	2971	2,008	3068
109	58	109	58	110	58	116	58	118	58	119	65	121	58	114	59
514	82	526	81	515	80	530	81	534	80	526	81	517	79	521	80
218	201	223	202	233	219	233	263	293	283	301	300	287	293	234	229
712	.....	625	.....	609	.....	586	.....	591	.....	636	.....	658	.....	654	.....
996	51	998	50	1,016	52	1,032	50	1,018	50	1,004	50	992	50	992	51
109	326	107	328	106	312	107	321	109	323	107	321	106	316	106	322
175	100	176	99	174	101	171	105	170	108	162	103	161	103	172	102
444	20	496	20	570	16	631	13	625	16	634	25	655	28	521	20
117	.....	123	.....	131	.....	133	.....	139	.....	150	.....	153	.....	138	.....
23	16	23	14	23	15	23	14	23	17	23	18	23	20	23	15
32	1	34	1	33	1	33	1	33	1	33	1	33	1	31	1
33	6	31	6	34	6	33	6	34	6	33	6	32	6	30	6
1,553	3	1,533	7	1,745	8	1,795	11	1,873	10	1,887	8	1,874	5	1,743	6
2,169	126	2,182	126	2,160	126	2,202	126	2,222	126	2,226	126	2,233	126	2,179	126
8	7	8	7	8	7	9	14	9	14	9	14	9	14	9	12
395	226	407	231	391	226	390	231	389	226	371	216	376	216	370	214
243	1	230	1	195	1	222	1	231	1	250	1	259	1	238	1
435	12	442	13	426	13	436	14	439	15	429	15	425	15	443	14
114	294	123	316	125	310	127	308	130	316	128	318	122	292	124	311
56	1	56	1	57	1	55	1	47	1	39	1	36	1	42	1
101	3	101	3	101	3	101	3	101	3	101	3	101	3	101	3
576	6	568	6	579	6	583	6	596	6	602	6	606	6	577	6
150	27	150	24	151	24	154	27	154	27	154	26	162	27	150	27
1,287	.....	1,294	.....	1,273	.....	1,257	.....	1,252	.....	1,247	.....	1,244	.....	1,255	.....
659	37	647	37	651	37	650	40	643	42	658	33	660	33	614	39
1,413	11	1,939	10	2,117	10	2,104	10	2,148	10	2,216	10	2,237	10	2,029	10
2	.....	2	.....	2	.....	2	.....	57	.....	57	.....	57	.....	38	.....
110	2	132	2	213	2	232	2	248	2	248	2	268	2	206	2
92	66	92	71	95	86	102	91	98	93	95	93	91	81	90	80
505	20	510	20	528	20	560	20	566	20	562	20	556	20	533	20
36	30	36	30	36	30	36	30	36	30	36	30	36	30	36	30
126	.....	109	.....	91	.....	114	.....	130	.....	140	.....	143	.....	130	.....
295	5	287	5	289	5	288	5	282	5	286	5	285	5	290	5
113	3	112	3	116	3	118	3	116	3	115	3	114	3	117	3
499	7	498	5	495	6	514	7	530	7	550	7	553	6	516	6
127	174	121	164	140	199	163	184	175	200	166	181	129	165	139	167
195	4	195	4	210	4	210	4	210	4	210	4	210	4	201	4
251	5	251	5	251	17	251	17	251	17	250	17	250	17	244	10
2,152	1,225	2,159	1214	2,169	1236	2,189	1247	2,198	1244	2,173	1256	2,178	1251	2,175	1231
5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
77	.....	77	.....	317	.....	331	.....	344	.....	343	.....	341	.....	280	.....
69	238	69	241	70	224	68	242	66	250	66	245	66	220	69	231
69	2	70	2	79	3	77	2	72	2	67	2	64	1	66	2
500	.....	507	.....	516	.....	522	.....	525	.....	526	.....	534	.....	507	.....
932	5	975	5	372	5	995	5	1,004	5	1,006	5	972	4	923	5
709	15	703	15	707	15	681	15	720	15	727	15	737	15	705	15
1,077	437	1,088	441	1,089	450	1,092	448	1,234	488	1,240	495	1,245	498	1,141	472
101	1	107	1	105	1	85	1	75	1	72	1	71	1	85	1
57	10	57	10	57	10	57	10	57	10	57	10	57	10	57	10
347	.....	391	.....	316	.....	291	.....	209	.....	180	.....	172	.....	221	.....
470	2	484	2	517	2	546	2	553	2	539	2	502	.....	497	2
539	28	542	30	551	38	539	31	566	34	553	34	534	31	533	27
64	131	62	124	62	134	62	128	62	131	60	128	61	130	61	129

TABLE IIIc — MANUFACTURES — CINCINNATI — Concluded.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Tools	34	1,861	57	1,859	58	1,882	62	1,915	61	1,500	61
Trunks and valises.....	6	95	8	95	9	99	9	103	10	104	10
Wire rods, wire cloth and wire goods	2	17	.....	17	.....	17	.....	17	.....	17	.....
Miscellaneous	40	617	208	621	207	618	211	632	212	626	218
Totals and averages.....	1122	37,228	12780	37,475	12727	37,969	13089	38,504	13096	37,995	13051

TABLE IIIc — MANUFACTURES — CINCINNATI — Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
656	59	1,037	62	1,760	63	1,929	59	1,995	62	2,121	62	2,194	64	1,730	61
105	10	113	10	117	9	120	9	117	10	115	9	114	9	108	9
17	.....	17	.....	17	.....	17	.....	17	.....	17	.....	17	.....	17	.....
633	224	626	221	661	236	700	240	729	251	771	247	766	238	669	226
36,019	12942	36,369	12028	37,882	13151	37,985	13205	38,660	13239	39,017	13214	39,068	12995	37,889	13031

TABLE III*d*—MANUFACTURES—DAYTON.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.	4	66	14	68	15	55	13	29	11	53	11
Agricultural implements	4	555	.....	602	.....	652	.....	663	.....	656	.....
Awnings, tents and flags	3	5	6	5	6	5	6	6	8	7	10
Boilers, engines and tanks	6	496	.....	401	.....	387	.....	508	.....	461	.....
Boxes (paper)	4	159	283	171	265	179	287	189	316	185	340
Boxes (wooden)	4	97	60	86	60	86	60	93	60	85	60
Bread and other bakery products	5	95	23	88	24	88	24	90	24	96	25
Brooms and brushes	3	14	.....	14	.....	14	.....	14	.....	14	.....
Carriages and wagons	8	162	2	162	2	164	4	170	4	172	4
Carriage and wagon materials	3	249	.....	269	.....	273	.....	273	.....	263	.....
Cigars	23	176	527	173	525	177	526	183	523	180	529
Clothing	4	22	230	22	229	22	232	22	237	22	227
Coffee, bak'g powder and spices	3	43	45	43	45	43	45	43	45	42	42
Confectionery	2	5	12	5	12	5	12	5	12	5	12
Cooperage	2	13	.....	13	.....	13	.....	13	.....	13	.....
Copper and brass goods	2	162	2	172	2	176	3	174	3	175	3
Drugs, chemicals and druggists' sundries	2	18	19	18	18	18	29	19	27	19	17
Electrical goods and supplies	4	65	6	67	6	64	3	70	7	67	8
Extracts, toilet articles & perf'y	2	11	16	12	15	12	16	12	17	13	18
Flouring mill products	4	55	.....	55	.....	55	.....	55	.....	55	.....
Foundry and mach. shop prod's	19	4,693	301	4,797	306	4,793	294	4,632	278	3,399	115
Furniture	6	619	2	630	2	709	2	668	2	612	2
Harness and saddlery	2	14	.....	16	.....	16	.....	16	.....	16	.....
Iron (structural and architect'l)	2	13	.....	13	.....	15	.....	18	.....	18	.....
Machinery	12	2,114	10	2,101	10	2,086	10	2,007	10	2,017	10
Mattresses and pillows	2	17	7	17	7	17	7	17	7	17	7
Paints and varnishes	5	53	14	51	14	51	14	48	14	45	14
Patterns and models	2	7	.....	7	.....	7	.....	7	.....	7	.....
Printing and binding	21	287	156	286	156	281	155	288	155	290	158
Sash, doors, lum. and int. finish	6	272	.....	273	.....	265	.....	240	.....	218	.....
Slaughtering and meat packing	2	93	.....	89	.....	84	.....	84	.....	79	.....
Soap, candles and tallow	6	132	10	133	21	131	21	129	21	127	22
Soda and mineral waters	4	12	.....	12	.....	13	.....	13	.....	14	.....
Stone (cut, sawed and artificial)	2	37	.....	37	.....	57	.....	67	.....	67	.....
Stoves, ranges and furnaces	2	155	.....	181	.....	184	.....	183	.....	184	.....
Strawboards and paper	7	270	50	271	50	273	50	269	50	270	50
Tinware, sheet iron and galvanized ironware	4	24	.....	24	.....	25	.....	64	8	56	5
Tobacco (chewing and smoking)	3	93	120	93	120	93	120	98	134	40	134
Tools	5	49	.....	51	.....	51	.....	51	.....	52	.....
Wire rods, wire cloth and wire goods	2	5	1	5	1	4	1	4	1	4	1
Miscellaneous	23	417	137	420	144	431	143	436	135	459	137
Totals and averages	229	11,844	2053	11,958	2055	12,024	2077	11,970	2109	10,574	1961

TABLE III*d*—MANUFACTURES—DAYTON.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
61	11	65	11	54	9	61	9	62	10	60	10	64	14	58	11
647	.....	378	.....	495	.....	550	.....	612	.....	596	.....	692	.....	592	.....
7	11	7	11	7	11	6	9	5	7	5	7	5	7	6	8
509	.....	513	.....	524	.....	522	.....	534	.....	526	.....	539	.....	493	.....
181	331	196	374	202	430	200	424	196	388	203	351	195	328	188	343
86	60	91	61	90	61	90	61	90	61	86	61	91	61	89	61
97	25	97	25	97	25	96	25	96	25	95	25	95	25	94	25
16	.....	16	.....	14	.....	16	.....	16	.....	16	.....	16	.....	15	.....
162	4	164	4	147	2	147	2	155	2	159	4	164	4	161	3
259	.....	242	.....	233	.....	221	.....	239	.....	270	.....	234	.....	256	.....
178	530	183	529	178	529	181	529	179	527	181	527	202	633	181	536
22	223	22	229	22	229	22	236	22	238	22	238	22	242	22	232
42	42	42	42	43	45	45	51	46	51	46	51	46	51	44	46
5	12	4	9	4	9	3	8	6	13	6	14	6	17	5	12
13	.....	13	.....	13	.....	13	.....	4	.....	4	.....	4	.....	11	.....
182	3	188	4	191	3	182	3	189	3	174	3	170	3	178	3
19	17	17	15	18	19	17	18	17	17	19	20	19	20	18	20
74	9	70	9	76	9	68	9	74	9	76	7	80	9	71	8
13	18	13	19	13	20	12	18	12	18	11	17	11	17	12	17
55	.....	55	.....	55	.....	55	.....	55	.....	55	.....	55	.....	55	.....
3,595	157	4,533	257	4,894	290	4,961	297	5,071	306	5,018	310	5,004	315	4,616	269
552	2	564	2	664	2	610	2	608	2	684	2	634	2	630	2
16	.....	16	.....	16	.....	16	.....	16	.....	16	.....	12	.....	16	.....
19	.....	18	.....	18	.....	22	.....	24	.....	22	.....	18	.....	18	.....
2,011	10	2,222	10	2,258	10	2,194	10	2,247	10	2,263	10	2,332	10	2,150	10
17	7	17	7	17	7	17	7	17	7	17	7	17	7	17	7
45	14	44	7	45	7	47	7	55	14	43	14	43	14	48	12
7	.....	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
288	155	277	150	279	151	290	156	294	159	294	159	294	162	287	156
266	.....	305	.....	324	.....	345	.....	349	.....	328	.....	311	.....	291	.....
75	.....	74	.....	76	.....	76	.....	81	.....	84	.....	90	.....	82	.....
128	21	128	12	127	11	130	21	131	21	132	20	132	20	130	18
14	.....	16	.....	15	.....	16	.....	14	.....	17	.....	15	.....	14	.....
72	.....	72	.....	72	.....	67	.....	62	.....	62	.....	47	.....	60	.....
185	.....	186	.....	202	.....	85	.....	91	.....	140	.....	130	.....	159	.....
271	50	272	50	269	50	273	50	273	50	271	50	270	50	271	50
58	4	52	4	56	2	60	2	64	3	73	5	69	5	52	3
35	54	37	58	37	58	37	58	100	98	100	138	100	138	72	103
49	.....	49	.....	49	.....	50	.....	51	.....	51	.....	52	.....	50	.....
4	1	4	1	4	1	4	1	4	1	4	1	4	1	4	1
470	184	487	141	497	139	504	132	535	172	530	178	429	142	468	145
10,805	1,905	11,756	2041	12,402	2129	12,318	2145	12,703	2212	12,766	2229	12,770	2297	11,991	2101

TABLE IIIe — MANUFACTURES — TOLEDO.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Awnings, tents and flags.....	2	15	34	15	37	20	41	26	45	26	46
Bath cabinets	3	50	22	50	22	50	22	47	20	46	18
Bicycles, bicycle sundries and automobiles	6	1,168	60	1,251	66	1,296	66	1,281	44	1,325	29
Billiard tables, bar and store fix.	3	173	10	174	10	174	10	174	10	174	10
Boilers, engines and tanks.....	4	729	.....	729	.....	732	.....	732	.....	725	.....
Boxes (paper)	2	15	45	15	45	15	45	15	45	15	43
Boxes (wooden)	4	51	6	53	6	60	6	60	6	60	6
Bread and other bakery products	5	106	48	106	48	106	48	106	48	107	48
Brooms and brushes	6	171	94	170	95	179	97	169	94	166	92
Carriages and wagons.....	11	483	3	489	3	503	3	537	3	522	3
Carriage and wagon materials...	4	240	3	251	3	267	3	268	3	290	3
Cigars	19	115	10	120	10	110	10	127	10	117	10
Clothing	7	148	575	151	670	164	675	156	620	138	625
Coffee, baking powder & spices	2	122	380	122	331	122	331	122	331	122	332
Cooperage	4	38	.....	38	.....	38	.....	38	.....	38	.....
Copper and brass goods	2	13	.....	13	.....	13	.....	13	.....	13	.....
Cotton and woolen goods (knit and woven)	3	15	218	15	243	15	283	15	295	15	323
Drugs, chemicals and druggists' sundries	5	17	12	17	12	24	12	24	12	24	13
Extracts, toilet articles & perf'y	3	4	4	4	4	4	4	4	5	4	5
Flouring mill products.....	7	183	1	174	1	186	1	192	1	204	1
Foundry & mach. shop products	14	1,511	4	1,478	4	1,643	4	1,641	4	1,717	6
Furniture	10	375	9	369	10	372	10	374	10	378	10
Harness and saddlery	3	29	.....	29	.....	29	.....	27	.....	23	.....
Iron (structural & architectural)	2	318	.....	318	.....	424	.....	431	.....	463	.....
Lime, sand, cement and plaster	3	174	.....	174	.....	174	.....	174	.....	174	.....
Machinery	9	486	2	501	2	501	2	512	2	505	2
Marble and granite	2	23	.....	22	.....	22	.....	25	.....	29	.....
Mattresses and pillows.....	2	15	5	15	5	15	5	15	5	15	5
Oil and grease	6	261	.....	249	.....	242	.....	236	.....	240	.....
Paints and varnishes	3	24	2	25	2	30	2	30	3	28	3
Printing and binding.....	18	165	65	165	66	154	65	165	69	163	67
Pumps and water-wheels	4	42	1	42	1	43	1	43	1	45	1
Sash, doors, lumber & interior finish	13	438	.....	441	.....	436	.....	441	.....	458	.....
Soap, candles and tallow.....	2	15	3	14	3	16	3	16	3	16	3
Soda and mineral waters.....	3	40	.....	40	.....	40	.....	42	.....	57	.....
Steel, iron and tin.....	2	245	.....	202	.....	205	.....	210	.....	205	.....
Stencils, stamps and seals.....	3	10	2	10	2	10	2	10	2	10	2
Stone (cut, sawed and artificial)	5	26	.....	63	.....	77	.....	47	.....	91	.....
Stoves, ranges and furnaces....	2	23	.....	23	.....	23	.....	23	.....	69	.....
Tinware, sheet iron and galvanized ironware	11	219	31	220	31	226	33	245	33	252	33
Tools	2	18	.....	17	.....	17	.....	17	.....	18	.....
Wire rods, wire cloth and wire goods	3	36	.....	36	.....	40	.....	45	.....	57	.....
Miscellaneous	29	520	141	543	144	558	146	572	145	551	147
Totals and averages.....	253	8,869	1740	8,953	1876	9,377	1930	9,447	1899	9,685	1886

TABLE IIIe — MANUFACTURES — TOLEDO.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
26	45	24	47	20	37	20	31	19	34	18	37	17	37	21	39
42	12	42	12	37	12	38	16	39	18	44	26	44	26	44	19
1,308	35	1,264	31	1,270	35	1,317	32	1,384	36	1,500	37	1,543	43	1,326	43
174	10	174	10	174	10	174	10	174	10	174	10	174	10	174	10
728	.....	734	.....	728	.....	724	.....	732	.....	731	.....	727	.....	729	.....
15	39	15	39	15	39	15	39	15	43	15	43	15	45	15	42
61	6	58	6	48	6	43	6	45	6	46	6	46	6	53	6
107	50	108	50	111	50	110	50	110	50	110	52	110	50	108	49
158	87	153	98	171	92	160	94	162	95	162	93	162	92	165	93
528	3	529	3	524	3	519	3	512	3	503	3	478	2	511	3
280	3	280	3	253	3	249	3	242	3	265	3	268	3	262	3
128	9	129	9	127	9	117	9	123	9	123	9	109	8	120	9
157	611	167	491	187	571	187	617	187	627	165	497	127	389	161	581
123	333	123	333	123	333	122	333	122	332	122	332	122	332	122	332
38	.....	39	.....	39	.....	39	.....	170	.....	170	.....	169	.....	71	.....
13	.....	13	.....	13	.....	13	.....	13	.....	13	.....	14	.....	13	.....
15	315	15	279	15	260	14	257	14	244	14	253	14	183	15	263
24	18	24	13	24	13	24	13	24	13	24	13	24	13	23	13
4	8	4	8	4	5	4	6	5	10	5	11	5	11	4	7
203	1	202	1	211	1	207	1	208	1	208	1	211	1	199	1
1,594	12	1,549	21	1,739	25	1,743	41	1,956	55	1,837	48	1,863	24	1,689	21
381	10	356	6	374	10	385	10	383	9	367	6	334	3	371	8
23	.....	21	.....	24	.....	26	.....	26	.....	26	.....	29	.....	26	.....
473	.....	428	.....	436	.....	445	.....	590	.....	609	.....	678	.....	468	.....
159	.....	144	.....	144	.....	134	.....	184	.....	189	.....	194	.....	168	.....
540	2	549	2	543	2	535	2	536	2	545	2	581	2	528	2
22	.....	23	.....	28	.....	26	.....	27	.....	27	.....	24	.....	25	.....
15	5	15	5	15	5	15	5	15	5	15	5	15	5	15	5
186	.....	180	.....	183	.....	175	.....	179	.....	181	.....	222	.....	211	.....
29	3	26	2	26	2	27	2	27	2	27	2	26	2	27	2
162	66	161	62	160	66	162	69	162	71	164	70	163	66	162	67
45	1	45	1	45	1	45	1	45	1	34	1	33	1	42	1
477	.....	475	.....	475	.....	478	.....	459	.....	455	.....	444	.....	456	.....
15	3	15	3	15	3	14	3	14	3	14	3	14	3	15	3
57	.....	60	.....	61	.....	60	.....	56	.....	56	.....	55	.....	52	.....
171	.....	172	.....	661	.....	754	.....	641	.....	607	.....	610	.....	390	.....
10	2	10	2	10	2	10	2	10	2	10	2	10	2	10	2
104	.....	166	.....	165	.....	180	.....	193	.....	187	.....	127	.....	119	.....
69	.....	73	.....	73	.....	73	.....	73	.....	73	.....	73	.....	56	.....
244	31	227	33	230	35	241	37	243	34	247	33	244	32	237	33
18	.....	17	.....	16	.....	17	.....	17	.....	18	.....	18	.....	17	.....
51	.....	48	.....	45	.....	47	.....	39	.....	37	.....	34	.....	43	.....
528	160	528	157	541	182	545	180	534	182	553	176	574	169	546	161
9,505	1,875	9,385	1,722	10,108	1,812	10,233	1,872	10,709	1,900	10,691	1,774	10,744	1,560	9,809	1,818

TABLE III—MANUFACTURES—CITIES.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs	4	54	19	49	19	50	18	49	18	50	19
Agricultural implements	27	4,236	110	4,540	99	4,686	108	4,660	104	4,738	101
Awnings, tents and flags	3	2	2	1	3	3	5	4	6	4	9
Bags (paper and burlap)	2	38	88	39	85	42	88	40	93	40	76
Baskets	3	27	12	27	12	29	12	49	26	49	26
Bicycles, bicycle sundries and automobiles	11	573	25	603	26	601	26	576	23	528	21
Billiard tables, bar and store fix.	2	27		27		27		28		29	
Boilers, engines and tanks	45	3,915	9	3,918	9	3,997	9	4,014	9	4,113	9
Boots and shoes	12	1,902	1292	1,937	1326	1,930	1324	1,919	1281	1,961	1280
Boxes (paper)	9	39	157	40	153	40	158	41	158	38	155
Boxes (wooden)	14	252	78	245	75	273	75	314	86	326	83
Bread & other bakery products	27	215	121	217	122	219	125	223	132	228	134
Brooms and brushes	18	299	20	298	20	297	20	289	20	291	20
Canned goods	7	64	65	64	65	58	40	95	31	98	84
Carriages and wagons	85	1,746	51	1,866	59	1,942	66	2,028	72	2,036	76
Carriage and wagon materials	26	1,165	23	1,172	27	1,206	26	1,216	32	1,215	36
Cars and car furnishings	3	298	2	302	2	304	2	241	2	276	2
Chewing gum	2	6	40	6	40	6	40	6	45	6	50
Cigars	134	616	1036	612	1011	617	1030	619	1040	621	1043
Clothing	23	126	1051	132	1073	136	1104	138	1111	139	1114
Clothes wringers & washboards	3	15	1	15	1	14	1	14	1	14	1
Coffee, baking powder & spices	5	6	9	6	9	6	9	6	9	6	9
Coffins and burial cases	5	193	47	194	49	194	48	195	47	193	48
Confectionery	15	57	52	53	52	54	55	55	58	54	60
Cooperage	23	627	1	615	1	636	1	617	1	619	1
Copper and brass goods	11	212	4	213	4	219	4	236	5	241	5
Cordage and twine	3	396	113	417	121	454	117	500	100	520	88
Cotton and woolen goods (knit and woven)	12	150	454	160	481	162	480	154	430	157	437
Cutlery and edge tools	6	555	75	611	76	630	80	611	80	623	81
Dairy products	2	25	1	25	1	25	1	24	1	23	1
Drugs, chemicals and druggists' sundries	14	133	9	135	9	138	11	134	10	134	10
Electrical goods and supplies	19	647	443	693	453	656	448	710	430	721	416
Extracts, toilet articles & perf'y	8	70	29	77	29	80	31	80	31	89	37
Fertilizers	7	56		57		72		105		75	
Fire extinguishers	2	259		261		259		258		260	
Flouring mill products	72	1,145	361	1,194	326	1,197	351	1,163	313	1,150	301
Foundry & mach. shop products	71	3,953	24	3,968	29	4,086	27	4,199	33	4,211	34
Furniture	34	1,518	30	1,522	32	1,630	40	1,644	43	1,624	43
Glass workers' supplies	3	72	4	70	4	74	4	70	4	64	5
Gloves and mittens	3	54	107	55	109	54	113	55	115	59	118
Gunpowder and other explosives	7	198	15	197	15	197	15	197	15	197	15
Hardware	9	762	143	764	151	814	158	810	153	766	143
Harness and saddlery	14	92	20	92	20	92	20	93	20	92	20
Ice (artificial)	18	83		83		92		117		144	1
Iron (structural & architectural)	16	1,184	6	1,128	6	1,220	6	1,260	6	1,319	6
Jewelry	3	758	482	758	485	763	484	766	485	766	484
Leather and leather goods	13	268	16	270	16	269	18	268	18	273	17
Lighting apparatuses	5	135	13	142	15	136	15	93	10	86	15
Lime, sand, cement and plaster	23	438		419		455		502		539	
Lithographing, engraving and electrotyping	3	49	24	50	8	50	8	49	7	46	7
Machinery	57	4,997	142	5,132	129	5,264	142	5,408	155	5,397	144
Malt	3	49		49		49		49		49	
Marble and granite	11	66		76		90		89		109	
Mattresses and pillows	8	104	37	104	37	106	38	109	39	109	39
Oil cloth & window-shade cloth	2										
Oil and grease	2	350		342		346		342		335	
Paints and varnishes	6	48	5	48	5	52	5	52	5	52	5
Patterns and models	8	44		46		47		47		50	
Pianos & other musical instrmts	7	209		211		217		218		221	
Pickles, preserves and sauces	2	8	5	8	5	8	5	8	5	8	5
Plating	4	18	3	18	3	20	3	22	3	18	3
Plumbing, steam and gasfitting supplies	7	400	1	402	1	400	1	403		433	
Potters' supplies	3	71	30	76	30	77	30	72	30	73	30
Printing and binding	139	1,588	784	1,591	752	1,581	761	1,576	709	1,541	695
Pumps and water-wheels	4	259		266		270		276		281	
Roofing (iron, steel and tin)	12	136	3	128	3	133	3	142	3	162	3
Rubber goods	11	2,156	477	2,394	512	2,921	550	3,025	570	2,977	581
Safes, vaults and locks	5	1,051		1,065		1,077		1,086		1,114	
Salt	3	133		133		133		133		133	

TABLE IIIf — MANUFACTURES — CITIES — Concluded.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Sash, doors, lumber and interior finish	91	1,899	14	1,912	12	2,015	15	2,118	17	2,193	16
Slaughtering and meat packing	3	18	1	18	1	18	1	19	1	19	1
Soap, candles and tallow	10	98	42	98	43	98	43	98	42	99	42
Soda and mineral waters	32	83	2	85	2	86	2	87	2	90	2
Steel, iron and tin	35	14,032	60	14,612	60	15,155	60	15,999	60	16,354	60
Stencils, stamps and seals	2	2	.....	2	.....	2	.....	2	.....	2	.....
Stone (cut, sawed and artificial)	12	369	.....	351	.....	498	.....	568	.....	632	.....
Stoves, ranges and furnaces	30	2,097	9	2,097	9	2,112	10	2,143	10	2,197	10
Strawboards and paper	20	1,394	374	1,368	390	1,395	453	1,400	463	1,351	452
Tinware, sheet iron and galvanized ironware	24	552	91	555	104	555	110	682	188	682	192
Tobacco (chewing and smoking)	6	430	309	629	474	717	579	641	547	740	525
Tools	15	1,670	10	1,716	10	1,766	10	1,779	10	1,672	9
Umbrellas and parasols	2	21	45	21	50	21	55	21	60	21	66
Wire rods, wire cloth and wire goods	6	744	39	801	40	802	42	827	39	830	42
Miscellaneous	37	322	294	326	301	336	309	341	313	341	298
Totals and averages	1505	65,128	9476	67,019	9706	69,558	10048	71,316	9985	72,129	9,961

TABLE IIIf — MANUFACTURES — CITIES — Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
2,232	15	2,282	15	2,341	16	2,362	17	2,355	19	2,351	19	2,244	17	2,192	16
19	1	19	1	20	1	19	1	18	1	18	1	18	1	19	1
99	42	99	42	98	42	98	42	98	42	98	42	98	42	98	42
90	2	95	2	96	2	92	2	90	2	89	2	90	2	89	2
16,163	62	14,170	47	13,194	4	16,209	22	17,992	95	17,493	100	17,732	100	15,759	61
2	.....	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....
627	.....	553	.....	639	.....	648	.....	623	.....	513	.....	409	.....	536	.....
2,260	10	2,248	10	2,316	10	2,339	10	2,315	10	2,311	10	2,247	10	2,224	10
1,363	484	1,356	482	1,416	455	1,429	457	1,432	474	1,421	481	1,368	374	1,391	445
728	194	705	190	742	196	710	186	732	196	720	189	818	180	682	168
745	506	662	474	788	542	682	481	604	444	504	363	663	446	650	474
1,168	9	1,261	9	1,618	9	1,680	10	1,670	10	1,680	11	1,695	12	1,616	10
21	66	21	66	21	66	21	60	21	60	21	60	21	60	21	59
824	44	841	41	843	44	848	44	842	54	872	54	840	53	826	45
284	279	279	248	280	246	312	286	415	271	346	286	311	291	324	285
70,956	10253	68,477	9958	67,144	10331	70,149	10575	72,864	10264	72,575	10174	73,897	10283	70,101	10085

TABLE IIIg—MANUFACTURES—TOWNS AND VILLAGES.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.	4	88	36	90	36	90	36	375	183	405	176
Agricultural implements	11	747	2	773	2	788	2	748	2	663	1
Baskets	6	220	39	228	49	257	39	271	48	318	50
Billiard tables, bar and store fix.	2	21	1	21	1	21	1	21	1	21	1
Boilers engines and tanks.....	8	393	2	401	2	427	2	406	2	395	2
Boots and shoes.....	3	23	31	25	35	34	48	49	53	46	53
Boxes (wooden)	4	124	30	143	28	163	50	159	51	146	49
Bread and other bakery products	2	6	2	6	2	6	2	6	2	6	2
Brooms and brushes.....	4	127	4	122	4	122	4	117	4	122	4
Canned goods	18	18	6	18	6	24	12	32	6	32	12
Carriages and wagons.....	39	821	37	960	44	1,058	50	1,080	46	1,087	49
Carriage and wagon materials..	19	1,377	44	1,438	53	1,366	71	1,378	76	1,332	74
Cigars	22	81	129	81	148	82	139	72	111	78	132
Clothing	5	13	83	13	82	14	87	15	103	15	104
Cooperage	34	1,251	2	1,299	2	1,306	2	1,265	2	868	2
Copper and brass goods.....	2	4	.....	12	.....	12	.....	11	.....	8	.....
Cotton and woolen goods (knit and woven)	11	154	259	164	307	180	333	181	354	179	341
Drugs, chemicals and druggists' sundries	3	26	37	30	42	30	41	25	40	23	39
Electrical goods and supplies...	4	61	83	61	83	56	78	57	78	57	78
Flouring mill products.....	74	455	7	459	7	449	7	454	7	455	7
Foundry and mach. shop prod's.	27	2,842	3	2,820	3	2,877	3	2,955	3	3,016	3
Furniture	36	743	27	750	29	820	28	777	28	819	28
Gloves and mittens.....	2	5	40	5	40	5	40	5	40	5	40
Gunpowder and other explosives	2	8	.....	7	.....	11	.....	10	.....	10	.....
Hardware	4	340	2	337	2	336	2	333	2	328	2
Harness and saddlery.....	9	205	19	194	19	189	19	175	18	163	18
Hollow ware	2	109	.....	109	.....	109	.....	109	.....	109	.....
Ice (artificial)	2	5	.....	5	.....	5	.....	6	.....	6	.....
Iron (structural and architect'l)	2	52	.....	54	.....	67	.....	67	.....	73	.....
Leather and leather goods.....	3	79	1	81	1	89	1	84	1	80	1
Lime, sand, cement and plaster	15	379	2	379	2	363	2	372	2	379	2
Machinery	82	1,043	12	1,083	12	1,090	12	1,075	12	1,084	12
Matches	3	660	248	657	252	678	267	654	226	660	240
Paints and varnishes.....	2	26	5	26	5	26	5	26	5	26	5
Pianos and other mus. instrum'ts	2	29	.....	29	.....	29	.....	29	.....	29	.....
Printing and binding.....	17	48	23	48	23	48	23	48	24	48	24
Roofing (iron, steel and tin)....	4	39	.....	41	.....	43	.....	41	.....	39	.....
Rubber goods	2	87	23	90	40	106	33	107	29	126	39
Salt	3	182	37	182	37	182	37	182	37	182	37
Sash, doors, lum. and int. finish	74	840	13	829	12	860	13	911	13	975	13
Soda and mineral waters.....	8	18	.....	18	.....	18	.....	18	.....	18	.....
Steel, iron and tin.....	25	6,171	54	6,105	59	7,029	58	7,346	59	7,701	60
Stone (cut, sawed and artificial)	7	283	.....	289	.....	351	.....	324	.....	378	.....
Stoves, ranges and furnaces.....	4	31	.....	29	.....	27	.....	34	.....	36	.....
Strawboards and paper.....	16	786	323	789	326	823	356	873	360	899	410
Tinware, sheet iron and galvanized ironware	8	67	.....	70	.....	74	.....	266	50	274	52
Tools	6	135	2	139	2	139	2	325	50	325	50
Whips	3	71	57	71	59	75	61	72	61	68	59
Wire rods, wire cloth and wire goods	2	125	1	164	1	168	1	163	1	161	1
Miscellaneous	34	782	272	777	279	817	290	816	260	817	273
Totals and averages.....	631	22,200	1998	22,530	2136	23,919	2257	24,925	2450	25,090	2545

TABLE IIIg—MANUFACTURES—TOWNS AND VILLAGES.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
418	189	410	200	395	198	383	192	372	182	364	180	350	182	312	149
593	1	463	1	398	1	503	1	565	1	591	1	688	2	627	1
333	51	341	66	378	74	336	74	300	65	231	40	212	39	236	53
21	1	21	1	21	1	21	1	21	1	21	1	21	1	21	1
399	2	460	2	446	2	427	2	440	2	472	2	447	2	426	2
37	45	39	39	32	39	32	42	24	34	24	30	25	30	32	40
133	44	129	46	126	44	127	42	123	47	132	36	148	50	138	43
6	2	6	2	6	2	6	2	6	2	6	2	6	2	6	2
130	4	130	4	130	4	130	4	139	14	141	15	143	15	130	7
60	26	89	86	515	403	518	333	285	197	30	14	17	6	137	109
1,091	48	1,051	42	910	29	827	26	739	24	706	24	817	28	929	37
1,320	64	1,294	54	1,257	50	1,146	31	1,197	29	1,354	33	1,343	38	1,317	51
73	143	85	129	85	127	93	134	97	147	99	145	90	110	84	133
15	101	14	96	14	92	15	95	15	106	15	108	15	99	14	96
927	2	903	2	926	2	940	2	1,005	2	996	2	955	2	1,053	2
4	.....	4	.....	4	.....	6	.....	6	.....	6	.....	6	.....	7	.....
179	336	189	335	189	334	186	332	176	345	173	335	176	341	177	329
21	38	21	29	9	19	23	34	25	43	26	43	25	43	24	37
57	73	36	8	36	8	61	83	61	88	61	88	61	88	55	70
449	7	445	5	447	5	446	5	449	5	448	5	447	5	450	6
3,094	3	3,136	3	3,234	3	3,096	5	3,146	5	3,211	6	3,292	6	3,064	4
838	27	874	25	990	38	1,119	51	1,039	59	1,165	56	1,166	56	928	38
6	52	6	52	6	52	6	52	6	52	6	52	6	52	6	47
10	.....	9	.....	9	.....	11	1	12	1	9	1	9	1	10	.....
329	2	332	2	340	2	338	2	337	2	319	1	319	1	332	2
179	18	175	18	177	18	162	18	171	18	187	18	156	18	178	18
109	.....	109	.....	109	.....	109	.....	114	.....	114	.....	114	.....	110	.....
7	.....	12	.....	12	.....	11	.....	9	.....	6	.....	5	.....	8	.....
73	.....	75	.....	76	.....	80	.....	80	.....	77	.....	79	.....	71	.....
84	1	82	1	86	1	81	1	86	1	87	1	92	1	84	1
418	2	392	2	398	2	473	2	483	2	432	2	406	2	406	2
1,087	12	1,106	12	1,136	12	1,146	12	1,174	12	1,186	12	1,196	14	1,117	12
556	261	560	237	587	228	588	220	603	241	613	246	628	232	620	242
26	5	22	4	22	4	21	4	21	4	21	4	21	4	24	5
29	.....	29	.....	29	.....	29	.....	29	.....	29	.....	29	.....	29	.....
47	24	47	30	47	29	49	30	49	30	48	29	49	30	48	27
35	.....	33	.....	33	.....	33	.....	33	.....	33	.....	33	.....	36	.....
115	57	114	69	94	21	87	24	94	23	97	27	112	32	103	35
182	37	182	37	181	37	181	37	181	37	181	37	182	37	182	37
965	12	949	10	977	10	966	10	962	11	977	11	963	10	931	12
18	.....	19	.....	19	.....	19	.....	18	.....	15	.....	15	.....	18	.....
7,726	59	4,681	56	3,145	5	5,914	36	7,580	55	7,853	59	7,832	57	6,590	51
401	.....	433	.....	433	.....	409	.....	401	.....	317	.....	313	.....	360	.....
56	.....	55	.....	54	.....	77	1	56	1	64	1	35	1	46	.....
893	411	854	392	847	360	871	363	861	352	823	327	827	327	846	359
294	57	281	56	263	54	243	47	268	64	278	53	263	51	221	40
324	50	323	50	319	49	358	50	360	50	366	49	372	49	290	38
63	48	65	54	64	58	70	61	77	63	75	61	61	52	69	53
129	1	159	1	149	1	214	1	204	1	210	1	174	1	168	1
837	271	840	266	865	267	880	266	848	272	836	270	808	275	821	272
25,246	2,587	22,133	2524	21,030	2089	23,874	2934	25,347	2690	25,521	2428	25,544	2392	23,947	2469

TABLE IIIh—MANUFACTURES—STATE.

Industries.	Number of estab- lishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Advertising novelties and signs.	19	266	89	265	90	254	87	512	233	565	229
Agricultural implements	42	5,538	112	5,915	101	6,126	110	6,071	106	6,052	102
Awnings, tents and flags.	22	137	167	150	182	176	237	207	266	243	297
Bags (paper and burlap).	13	292	357	295	365	301	371	300	371	300	361
Baskets	9	247	51	255	61	286	51	320	74	367	76
Bath cabinets	3	50	22	50	22	50	22	47	20	46	18
Bicycles, bicycle sundries and automobiles	24	2,610	114	2,717	124	2,742	120	2,649	95	2,554	75
Billiard tables, bar and store fix.	25	718	15	722	15	733	15	759	15	762	15
Boilers, engines and tanks.	87	9,194	11	9,216	11	9,308	11	9,344	11	9,292	11
Boots and shoes.	58	7,501	5208	7,626	5283	7,651	5318	7,503	5229	7,576	5269
Boxes (paper)	30	394	1140	402	1136	411	1171	420	1180	410	1193
Boxes (wooden)	58	1,349	345	1,354	338	1,403	359	1,446	366	1,444	359
Bread and other bakery products	73	1,193	539	1,183	533	1,193	554	1,202	586	1,267	614
Brooms and brushes.	49	795	169	789	168	798	171	780	174	774	169
Bungs	3	130	5	127	5	135	5	125	5	125	5
Canned goods	25	82	71	82	71	82	52	127	37	130	96
Carriages and wagons.	240	7,143	286	7,638	309	7,977	335	8,274	336	8,365	345
Carriage and wagon materials.	75	4,029	135	4,143	148	3,935	167	4,017	178	3,974	180
Cars and car furnishings.	3	298	2	302	2	304	2	241	2	276	2
Chewing gum	2	6	40	6	40	6	40	6	45	6	50
Cigars	328	2,647	4056	2,636	4057	2,625	4111	2,656	4094	2,660	4127
Clothes wringers and washboards	5	156	1	164	1	155	1	159	1	169	1
Clothing	222	3,555	7038	3,734	7298	3,884	7628	3,917	7590	3,972	7377
Coffee, bak'g powder and spices	23	326	460	326	460	326	460	334	464	333	461
Coffins and burial cases.	9	697	121	707	126	721	128	723	129	716	129
Confectionery	43	446	547	438	550	443	554	430	560	462	570
Cooperage	80	2,814	4	2,879	4	2,942	4	2,903	4	2,520	4
Copper and brass goods.	57	1,888	70	1,935	70	1,994	69	2,055	68	2,059	72
Cordage and twine.	3	396	118	417	121	454	117	500	100	520	88
Cotton and woolen goods (knit and woven)	46	682	2261	723	2401	735	2473	734	2428	730	2452
Cutlery and edge tools.	6	555	75	611	76	630	80	611	80	623	81
Dairy products	2	25	1	25	1	25	1	24	1	23	1
Drugs, chemicals and druggists' sundries	55	968	295	1,055	300	999	316	1,010	310	1,019	299
Electrical goods and supplies.	52	2,713	688	2,796	700	2,848	691	3,017	671	3,131	662
Elevators and hoist, machinery.	8	207	198	198	205	205	202	202	206	206	206
Extracts, toilet articles & perf'y	22	126	85	134	85	139	91	139	97	151	104
Fertilizers	9	185	186	186	201	201	234	234	204	204	204
Filters	2	26	26	26	27	27	28	28	32	32	32
Fire extinguishers	2	259	261	259	259	259	258	258	260	260	260
Flouring mill products.	168	1,978	385	2,023	350	2,023	375	1,997	337	1,994	325
Foundry and mach. shop prod'ts	247	23,701	769	23,907	782	24,632	770	24,914	756	23,920	606
Furniture	134	5,643	214	5,695	220	5,999	223	5,970	231	5,951	232
Furs	2	9	14	9	14	9	14	9	14	9	14
Glass workers' supplies.	3	72	4	70	4	74	4	70	4	64	5
Gloves and mittens.	7	93	220	95	223	94	223	95	230	99	233
Gunpowder and other explosives	13	612	241	621	241	635	243	659	256	651	256
Hardware	30	3,457	158	3,435	161	3,639	178	3,709	190	3,673	180
Harness and saddlery	50	885	58	894	57	889	58	882	57	840	55
Hats, caps and furnishings.	23	261	607	262	609	265	619	262	619	242	544
Hollow ware	2	109	109	109	109	109	109	109	109	109	109
Ice (artificial)	31	249	2	249	2	244	2	287	2	346	4
Inks	5	118	5	118	5	118	5	118	5	118	5
Iron (structural and architect'l)	50	3,450	20	3,358	20	3,579	20	3,677	20	3,788	20
Jewelry	23	1,028	542	991	540	998	539	1,002	541	1,001	541
Leather and leather goods.	38	1,769	19	1,769	19	1,808	21	1,804	21	1,824	20
Lighting apparatuses	10	265	38	276	40	261	40	206	35	194	40
Lime, sand, cement and plaster	47	1,243	2	1,225	2	1,342	2	1,408	2	1,477	2
Lithographing, engraving and electrotyping	33	832	82	840	60	843	59	999	64	995	55
Machinery	208	15,562	207	15,791	194	16,079	207	16,285	222	15,994	212
Malt	7	106	106	106	106	106	106	106	106	106	106
Marble and granite.	24	419	2	437	2	437	2	433	2	478	2
Matches	3	660	248	657	252	673	267	654	226	660	240
Mattresses and pillows.	19	216	124	219	130	226	129	224	128	224	118
Mouldings and frames.	12	861	20	874	20	888	20	896	20	890	20
Oilcloth and window shade cloth	4	36	30	36	30	36	30	36	30	36	30
Oil and grease.	30	2,288	96	2,254	92	2,233	82	2,224	96	2,242	84
Paints and varnishes.	43	898	116	926	134	938	134	949	145	953	138
Patterns and models.	26	263	6	263	6	275	6	272	6	280	6
Pianos and other mus. instrum'ts	14	806	6	800	6	823	7	819	7	813	8
Pickles, preserves and sauces.	8	137	169	141	155	137	134	145	147	123	163
Plating	8	231	7	231	7	233	7	235	7	231	7

TABLE IIIh—MANUFACTURES—STATE.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
600	249	586	264	556	252	552	247	547	244	541	245	532	249	481	206
5,690	89	4,352	67	3,494	25	3,630	56	4,644	85	4,968	95	5,816	108	5,192	88
244	309	226	276	191	231	183	203	175	188	156	186	138	150	136	223
312	393	317	398	331	421	338	421	353	438	357	429	349	423	321	395
397	77	413	94	453	103	386	103	343	90	244	42	236	50	330	73
42	12	42	12	37	12	38	16	39	18	44	26	44	26	44	19
2,374	65	2,275	59	2,216	61	2,280	63	2,432	82	2,632	83	2,749	91	2,519	86
754	15	762	15	761	15	756	15	757	15	759	15	756	15	751	15
8,580	10	9,216	10	9,003	10	8,930	10	8,961	11	9,159	11	9,443	12	9,137	11
7,575	5,308	7,693	5370	7,879	5508	7,861	5394	7,756	5297	7,834	5336	7,869	5417	7,695	5328
410	1,182	416	1209	426	1232	435	1300	433	1302	443	1273	434	1258	420	1218
1,446	358	1,408	359	1,426	362	1,473	362	1,523	368	1,489	357	1,466	363	1,436	359
1,260	623	1,280	631	1,267	649	1,289	644	1,287	615	1,302	638	1,282	626	1,250	604
777	158	773	169	773	200	787	197	797	202	802	200	802	201	787	182
145	5	135	5	130	5	130	5	131	5	133	5	134	5	132	5
355	457	206	455	1,201	1035	1,227	1203	439	435	118	97	85	77	345	341
8,143	329	7,631	294	6,633	219	5,818	193	5,788	192	5,653	203	6,138	223	7,100	271
3,928	168	3,743	153	3,610	139	3,355	108	3,653	106	3,937	109	4,051	119	3,865	143
335	2	349	2	360	2	368	2	388	2	403	2	440	2	339	2
6	55	6	65	6	65	6	60	6	45	5	40	5	40	6	49
2,676	4,160	2,680	4168	2,640	4156	2,639	4157	2,693	4163	2,669	4167	2,697	4237	2,664	4136
174	1	159	1	190	1	222	1	260	1	70	.....	77	.....	163	1
3,760	7,250	3,810	7146	3,872	7258	4,020	7586	4,063	7672	3,993	7403	3,666	6904	3,834	7346
329	461	329	461	332	465	339	471	342	470	343	477	345	470	333	465
707	132	715	127	703	125	719	131	728	127	718	128	696	124	712	127
473	586	475	561	483	667	527	750	604	874	634	866	602	825	504	659
2,536	4	2,392	4	2,399	4	2,421	4	2,665	4	2,689	4	2,653	4	2,651	4
2,087	72	2,099	72	2,131	74	2,150	72	2,125	72	2,098	72	2,092	72	2,060	72
508	89	575	90	528	79	429	75	444	103	435	103	478	103	474	99
740	2,459	756	2468	757	2440	753	2413	755	2409	748	2428	743	2205	739	2403
625	79	615	80	604	82	626	83	620	82	629	83	622	84	614	80
25	1	25	1	24	1	25	1	25	1	25	1	25	1	25	1
1,033	299	1,035	290	1,027	289	1,049	317	1,085	336	1,090	334	1,101	331	1,040	309
3,119	675	3,189	544	3,499	678	3,425	853	3,450	916	3,443	1003	3,510	1072	3,178	763
173	.....	179	.....	184	.....	139	.....	198	.....	213	.....	216	.....	197	.....
184	105	186	102	184	107	198	103	243	117	244	114	184	114	176	102
213	.....	204	.....	264	.....	288	.....	189	.....	178	.....	169	.....	209	.....
32	1	34	1	33	1	33	1	33	1	33	1	33	1	31	1
261	.....	263	.....	265	2	266	2	275	2	282	2	276	2	265	1
2,016	305	2,054	388	2,085	423	2,120	447	2,139	466	2,180	481	2,193	443	2,066	393
24,035	659	24,888	775	25,861	809	25,960	832	26,665	865	26,827	861	26,910	835	25,184	778
5,895	232	5,741	221	6,067	236	6,269	259	6,269	265	6,476	262	6,329	262	6,026	238
8	7	8	7	8	7	9	14	9	14	9	14	9	14	9	12
81	6	91	6	97	7	90	7	94	7	117	7	129	7	87	6
102	243	103	243	103	251	102	250	98	249	98	243	100	245	99	238
688	276	709	281	692	276	693	279	689	272	674	262	678	262	667	261
3,667	175	3,584	175	3,651	175	3,729	196	3,809	202	3,832	200	3,801	189	3,669	182
847	54	859	55	848	55	843	56	853	57	855	57	810	57	861	56
190	387	228	459	330	553	333	602	387	560	194	411	257	435	267	533
109	.....	109	.....	109	.....	109	.....	114	.....	114	.....	114	.....	110	.....
387	4	466	4	459	4	455	4	335	3	265	3	213	3	329	3
118	5	118	5	118	5	113	5	118	5	118	5	118	5	118	5
3,973	20	3,991	20	3,988	20	4,007	20	4,300	20	4,199	20	4,054	20	3,863	20
1,003	537	997	533	1,005	534	1,015	542	1,023	542	1,025	546	1,033	547	1,010	541
1,842	20	1,849	21	1,832	22	1,816	22	1,814	22	1,813	21	1,821	21	1,813	21
195	35	211	35	190	37	205	35	249	38	279	41	314	41	237	38
1,524	2	1,470	2	1,526	2	1,565	2	1,601	2	1,524	2	1,444	2	1,445	2
990	57	974	55	992	57	1,001	59	991	63	1,012	55	1,015	55	957	61
15,776	213	17,158	217	17,347	219	17,302	223	17,525	215	17,633	210	17,905	216	16,696	213
47	.....	18	.....	14	.....	26	.....	106	.....	106	.....	106	.....	73	.....
269	2	389	2	461	2	493	2	515	2	507	.....	519	2	455	2
556	261	560	237	587	228	588	220	603	241	613	246	628	232	620	242
231	117	228	120	231	135	236	140	233	142	229	141	224	128	227	129
862	20	868	20	893	20	929	20	936	20	932	20	918	20	895	20
36	30	98	31	134	31	135	31	147	31	162	31	162	31	88	31
2,199	83	2,199	73	2,187	85	2,256	96	2,308	97	2,291	100	2,349	108	2,252	91
957	120	919	93	923	80	952	83	920	99	890	98	891	95	927	112
280	6	264	6	257	4	257	4	265	5	264	5	263	6	263	6
808	8	801	6	794	7	814	8	846	8	869	8	867	7	862	7
135	179	129	169	148	204	174	189	186	205	177	186	140	160	148	172
229	7	229	7	244	7	246	7	250	7	250	7	249	7	238	7

TABLE IIIh — MANUFACTURES — STATE — Concluded.

Industries.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Plumbing, steam and gas fitting supplies	18	868	20	881	20	902	20	924	19	962	19
Potters' supplies	3	71	30	76	30	77	30	72	30	73	30
Printing and binding	371	5,550	2632	5,569	2623	5,576	2642	5,550	2597	5,517	2579
Printers' rollers	2	5	.....	5	.....	5	.....	5	.....	5	.....
Pumps and waterwheels	13	623	1	630	1	642	1	649	1	653	2
Regalia	8	66	208	69	212	72	228	72	231	72	229
Roofing (iron, steel and tin)	25	248	5	241	6	252	6	263	5	286	5
Rubber goods	18	2,570	564	2,845	641	3,432	673	3,535	740	3,455	760
Rugs and carpet cleaning	2	30	12	28	12	35	13	55	26	62	30
Safes, vaults and locks	12	1,525	.....	1,548	.....	1,572	.....	1,585	.....	1,618	.....
Salt	8	492	128	461	129	474	118	484	117	531	104
Sash, doors, lum. and int. finish	238	5,223	32	5,190	29	5,322	33	5,404	35	5,717	34
Slaughtering and meat packing	31	1,461	35	1,430	35	1,424	35	1,413	35	1,432	35
Soap, candles and tallow	48	1,399	539	1,409	555	1,411	553	1,440	555	1,467	557
Soda and mineral waters	68	279	5	283	4	288	4	314	4	344	4
Starch	2	2	15	2	15	3	22	3	22	3	22
Steel, iron and tin	72	27,915	183	28,736	188	30,423	171	31,563	185	32,304	182
Stencils, stamps and seals	15	81	12	81	12	81	12	81	12	81	12
Stone (cut, sawed and artificial)	42	2,420	.....	2,140	.....	2,675	.....	3,293	.....	3,745	.....
Stoves, ranges and furnaces	67	4,368	28	4,586	28	4,746	29	4,901	29	4,902	31
Strawboards and paper	45	2,506	786	2,487	807	2,552	901	2,608	914	2,576	953
Tinware, sheet iron and galvanized ironware	92	1,778	161	1,743	172	1,796	184	2,447	322	2,427	330
Tobacco (chewing and smoking)	14	578	557	733	722	871	827	801	809	843	794
Tools	77	4,562	171	4,613	172	4,691	176	4,926	223	4,408	222
Trunks and valises	14	244	45	243	40	241	44	250	46	250	49
Umbrellas and parasols	4	32	78	32	83	32	88	32	93	32	99
Whips	3	71	57	71	59	75	61	72	61	68	59
Wire rods, wire cloth and wire goods	24	1,774	87	1,875	90	1,906	100	1,953	94	1,976	98
Miscellaneous	238	5,070	1556	5,122	1587	5,255	1640	5,251	1629	5,245	1657
Totals and averages	4730	200,716	37056	204,403	37903	210,969	38963	215,700	39181	215,490	38961

TABLE III^h — MANUFACTURES — STATE — Concluded.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
984	19	911	19	983	32	985	33	988	33	982	33	949	33	940	25
75	30	75	30	78	30	80	30	79	30	77	30	78	30	76	30
5,460	2,536	5,415	2,481	5,463	2,523	5,512	2,563	5,576	2,593	5,586	2,678	5,583	2,737	5,529	2,600
5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
423	2	434	2	676	2	690	2	696	2	688	2	682	2	623	2
69	238	69	241	70	224	68	242	66	250	66	245	66	220	69	231
309	5	311	5	340	6	345	5	338	5	308	5	284	4	294	5
3,233	734	3,014	675	2,158	653	2,119	643	2,206	628	2,343	628	2,292	562	2,768	659
50	30	40	28	39	26	42	26	40	25	38	22	34	18	41	22
1,641	.....	1,671	.....	1,706	.....	1,715	.....	1,731	.....	1,751	.....	1,791	.....	1,654	.....
638	106	623	103	597	108	565	110	569	125	595	139	593	129	552	118
5,931	32	6,124	30	6,241	31	6,200	32	6,181	35	6,110	35	5,873	31	5,793	33
1,436	35	1,430	35	1,435	35	1,409	35	1,453	35	1,462	35	1,480	35	1,439	35
1,375	510	1,386	505	1,385	513	1,390	521	1,533	561	1,540	567	1,545	570	1,440	542
362	4	386	4	382	4	351	4	323	4	310	4	302	4	327	4
3	22	3	22	2	15	2	15	2	15	2	15	2	15	2	18
31,932	185	26,812	157	25,388	73	31,120	115	34,802	204	34,283	215	33,884	222	30,767	173
81	12	81	12	81	12	81	12	81	12	81	12	81	12	81	12
3,863	.....	3,929	.....	4,019	.....	3,928	.....	3,762	.....	3,394	.....	2,923	.....	3,842	.....
4,569	25	4,610	26	4,590	26	4,618	27	4,802	27	4,878	24	4,695	29	4,715	27
2,577	961	2,535	940	2,585	881	2,628	886	2,616	893	2,568	874	2,517	769	2,563	881
2,489	336	2,409	335	2,430	347	2,381	325	2,510	353	2,530	336	2,592	321	2,295	293
844	791	761	656	887	734	781	667	766	673	664	629	824	714	783	706
3,060	220	3,596	223	4,605	223	4,881	221	4,952	224	5,100	225	5,194	227	4,548	211
252	45	264	46	276	48	277	51	271	49	269	48	269	44	259	46
32	99	32	99	32	99	32	93	32	93	32	93	32	93	32	92
63	48	65	54	64	53	70	61	77	63	75	61	61	52	69	53
1,922	93	1,959	93	1,966	107	2,051	108	2,026	117	2,046	107	1,956	99	1,950	99
5,204	1,641	5,181	1554	5,252	1522	5,329	1589	5,466	1675	5,437	1690	5,325	1636	5,262	1615
212,424	38,972	207,900	38639	208,740	30853	214,712	40689	221,591	40538	221,272	39875	221,443	39072	212,954	39144

TABLE III—MANUFACTURES—BY CITIES.

Cities.	Number of establishments reported.	January.		February.		March.		April.		May.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Akron	90	5,648	1590	6,034	1553	6,684	1634	6,790	1602	6,709	1590
Alliance	17	1,279	21	1,277	20	1,317	19	1,314	19	1,323	18
Ashtabula	20	382	14	376	14	371	15	376	15	381	15
Bellaire	11	1,352	57	1,321	57	1,372	57	1,413	57	1,422	57
Bucyrus	19	574	21	574	23	572	27	614	27	670	28
Cambridge	13	689	2	716	2	805	6	832	6	880	6
Canton	94	4,364	686	4,404	709	4,542	731	4,777	733	4,815	724
Chillicothe	19	346	84	353	85	354	86	367	91	371	127
Circleville	13	106	8	106	8	112	8	165	11	160	11
Defiance	16	563	29	566	26	589	27	592	29	603	29
Delaware	12	211	211	211	212	214	211	226	215	230	214
East Liverpool	16	204	33	212	34	215	34	211	35	214	36
Elyria	20	484	101	505	115	532	132	515	66	503	81
Findlay	42	506	60	512	60	517	60	532	59	538	64
Fostoria	24	423	125	436	132	443	130	440	129	480	123
Fremont	33	994	433	1,089	433	1,072	433	1,055	435	1,058	435
Galion	16	485	29	503	31	517	31	516	29	528	32
Gallipolis	12	188	14	191	14	190	14	193	15	194	14
Hamilton	71	4,639	653	4,694	664	4,844	643	5,059	731	4,880	731
Ironton	31	1,590	60	1,840	60	1,834	60	1,892	60	1,886	60
Kenton	18	475	65	477	65	482	65	482	70	487	70
Lancaster	21	470	207	469	206	476	205	538	211	552	216
Lima	50	1,164	346	1,189	346	1,200	351	1,200	354	1,193	358
Lorain	17	1,844	4	2,142	4	2,343	4	2,363	3	2,355	3
Mansfield	70	1,724	537	1,770	529	1,782	556	1,829	576	1,869	585
Marietta	43	1,101	76	1,100	76	1,098	77	1,154	78	1,164	78
Marion	29	1,451	26	1,449	22	1,638	22	1,719	22	1,752	23
Martins Ferry	16	1,015	65	1,006	65	1,034	69	1,056	70	1,220	69
Massillon	35	1,736	32	1,864	32	1,901	32	1,914	31	2,001	31
Middletown	29	1,385	195	1,629	343	1,840	500	1,765	474	1,859	446
Mt. Vernon	11	659	...	652	...	645	...	646	...	658	...
Newark	34	850	201	867	201	934	201	924	202	967	201
Norwalk	25	421	82	421	84	508	91	521	117	545	121
Piqua	46	1,519	284	1,548	284	1,550	284	1,558	284	1,574	284
Pomeroy	10	184	10	185	10	179	10	181	10	181	10
Portsmouth	38	2,089	1055	2,128	1102	2,088	1095	2,099	1049	2,175	1051
Salem	19	1,215	74	1,222	74	1,243	76	1,245	78	1,255	81
Sandusky	65	1,421	379	1,380	382	1,515	396	1,621	426	1,612	420
Springfield	108	5,299	417	5,417	391	5,594	407	5,642	365	5,738	346
Steubenville	21	1,536	51	1,303	54	1,308	54	1,421	56	1,411	56
Tiffin	42	569	243	576	246	593	245	529	239	531	247
Urbana	23	568	79	559	88	527	96	492	98	506	97
Warren	30	1,232	306	1,209	303	1,221	296	1,228	276	1,211	252
Wooster	15	118	78	118	75	120	76	119	74	119	77
Xenia	14	637	203	658	206	704	211	744	187	753	167
Youngstown	45	8,574	25	8,658	25	8,841	25	9,323	25	9,455	25
Zanesville	42	1,037	199	1,103	243	1,098	246	1,114	247	1,191	252
Totals and averages.....	1505	65,128	9476	67,019	9706	69,558	10048	71,316	9985	72,129	9961

TABLE III.—MANUFACTURES—BY CITIES.

June.		July.		August.		September.		October.		November.		December.		Monthly average.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
6,589	1,540	6,419	1517	5,402	1621	5,490	1671	5,879	1742	6,166	1796	6,295	1780	6,175	1636
1,348	19	1,334	21	1,262	18	1,280	20	1,291	20	1,304	22	1,318	22	1,304	20
386	15	391	15	385	15	400	15	398	15	406	15	413	15	389	15
1,448	57	1,448	57	1,086	57	1,131	57	1,363	57	1,392	57	1,377	57	1,344	57
655	28	636	28	670	35	659	32	641	27	641	23	641	25	629	27
812	6	504	6	216	6	609	6	742	7	743	7	735	6	686	5
4,883	727	4,748	726	4,650	721	4,714	794	5,029	796	5,033	802	5,247	785	4,767	745
557	432	376	370	576	400	580	379	392	127	379	88	369	89	418	197
166	11	167	11	509	157	509	192	167	48	137	13	133	13	203	41
593	29	583	29	583	28	579	34	583	34	571	32	556	31	580	30
226	215	222	213	243	209	229	214	235	211	227	213	221	212	224	213
217	36	216	36	220	36	224	37	222	37	218	36	215	36	216	35
464	101	463	75	438	72	475	55	505	54	526	49	533	63	495	80
559	62	547	62	550	70	536	66	533	65	538	60	520	60	532	62
466	125	466	123	459	122	462	150	436	168	471	211	488	234	456	148
1,062	436	1,044	442	1,032	438	1,069	443	1,150	452	1,096	454	1,080	456	1,067	441
514	32	483	30	436	24	428	23	428	15	461	17	453	20	480	26
192	13	193	14	189	13	188	13	189	13	184	13	184	13	190	14
3,909	730	4,561	700	4,936	770	4,930	748	4,905	705	4,889	615	4,931	541	4,765	686
1,827	60	1,829	60	1,830	60	1,842	60	1,890	60	1,829	60	1,805	60	1,824	60
498	82	505	80	491	78	484	72	482	71	473	74	467	75	484	72
556	225	561	224	568	225	575	229	575	232	566	235	573	237	540	221
1,158	358	1,158	353	1,147	328	1,172	351	1,224	365	1,237	361	1,206	359	1,187	353
2,369	3	2,564	3	2,588	3	2,549	3	2,515	3	2,512	3	2,498	3	2,387	3
1,899	598	1,880	595	1,858	598	1,878	603	1,874	598	1,910	606	1,952	602	1,852	581
1,163	49	1,173	49	1,182	49	1,186	79	1,167	79	1,175	69	1,164	77	1,152	70
1,826	23	1,807	23	1,757	23	1,650	27	1,630	27	1,582	27	1,526	27	1,649	24
1,175	69	817	52	354	6	1,013	26	2,073	98	1,925	105	1,877	107	1,214	67
1,996	31	1,977	31	1,913	32	1,807	34	1,818	34	1,838	33	1,887	33	1,888	32
1,862	426	1,786	408	1,883	476	1,781	421	1,698	438	1,594	383	1,872	421	1,746	411
332	.....	618	.....	639	.....	648	.....	656	.....	661	.....	704	.....	626	.....
1,056	204	1,069	203	1,126	202	1,126	204	1,123	205	1,113	207	1,122	207	1,023	203
543	126	520	122	524	117	521	109	525	95	528	98	521	95	509	105
1,581	284	1,310	284	1,335	284	1,482	284	1,675	286	1,710	286	1,683	286	1,544	284
185	10	150	10	188	10	185	10	183	10	184	10	188	10	181	10
2,218	1,117	2,235	1112	2,279	1159	2,293	1134	2,238	1104	2,301	1136	2,302	1175	2,204	1107
1,285	89	1,308	101	1,311	101	1,309	94	1,298	82	1,296	79	1,280	76	1,272	84
1,552	449	1,576	445	1,642	422	1,744	427	1,680	405	1,643	404	1,578	403	1,580	413
5,587	280	4,780	248	4,371	216	4,464	259	5,252	290	5,456	307	5,839	399	5,287	327
1,412	50	1,401	51	1,423	50	1,530	59	1,510	62	1,556	61	1,677	63	1,441	56
543	248	536	248	600	241	611	234	617	236	624	240	637	248	580	243
549	89	563	72	555	86	577	93	584	98	608	97	608	100	558	91
1,236	250	957	170	917	209	1,032	248	1,300	248	1,288	254	1,283	262	1,176	256
114	77	112	76	116	82	115	82	116	79	118	78	118	78	117	78
756	163	851	179	799	168	707	174	644	159	628	139	685	162	714	177
9,306	25	8,384	26	8,634	25	10,097	25	10,159	25	9,801	25	10,004	25	9,270	25
1,326	254	1,249	258	1,272	269	1,279	285	1,270	287	1,037	274	1,132	235	1,176	254
70,956	10253	68,477	9958	67,144	10331	70,149	10575	72,864	10264	72,575	10174	73,897	10283	70,101	10085

TABLE IV.

GIVING BY OCCUPATIONS, NUMBER EMPLOYED, AVERAGE NUMBER
OF DAYS WORKED, AVERAGE DAILY WAGES, AVERAGE
YEARLY EARNINGS, AVERAGE HOURS OF DAILY
LABOR FOR THE YEAR 1901.

TABLE IV_a—MANUFACTURES—CLEVELAND.
ADVERTISING NOVELTIES AND SIGNS—2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Electricians	2	308	\$2 50	\$770 00	8
Painters	4	304	2 00	608 00	8.5

AWNINGS, TENTS AND FLAGS—5 ESTABLISHMENTS.

Awning finishers	6	305	2 17	661 85	10
Awning hangers	54	305	2 12	646 60	10
Blacksmiths	4	298	2 00	596 00	10
Hostler	1	308	1 75	539 00	10
Machinists	2	308	2 25	693 00	8
Riggers	6	280	2 50	700 00	10
Sail makers	15	284	2 41	684 44	10
Snippers	2	295	1 75	516 25	10

BAGS (PAPER AND BURLAP)—4 ESTABLISHMENTS.

Apprentices	2	3 25	75	243 75	10
Bag-makers	7	250	2 00	500 00	10
Balers	5	284	1 25	355 00	10
Beater-men	7	284	1 46	414 64	12
Carpenter	1	284	2 25	639 00	10
Compositors	6	303	1 89	572 67	10
Elevator boy	1	300	88	249 00	10
Engineers	4	298	2 05	610 90	10
Engravers and designers	2	300	3 25	975 00	9
Engravers' and designers' assistants	4	300	1 00	300 00	9
Finishers	10	325	1 55	503 75	10
Fireman	1	300	1 50	450 00	10
Foremen	3	284	3 53	718 52	10
Helpers	2	284	75	213 00	10
Laborers	18	303	1 62	490 86	10
Laborers (boys)	3	300	67	201 00	10
Machinists	5	293	1 65	483 45	10
Machine tenders	18	302	1 52	459 04	10.4
Packers	6	300	1 65	495 00	10
Porter	1	325	1 65	526 25	10
Pressmen	17	306	1 92	587 52	10
Repairer	1	300	2 00	600 00	10
Shipping clerk	1	300	2 17	651 00	10
Stereotypers	2	312	1 87	583 44	10
Teamsters	4	305	1 51	460 55	10
Warehousemen	8	300	1 50	450 00	10
Watchmen	4	306	1 69	517 14	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—7 ESTABLISHMENTS.

Annealers	3	315	2 15	677 25	10
Assemblers	5	239	1 94	463 66	9.6
Blacksmiths	6	308	2 14	659 12	10
Blacksmiths' helpers	9	308	1 75	539 00	10
Brazer	1	300	3 00	900 00	9
Buffers	13	305	2 78	847 90	10
Carriage builders	10	308	2 50	770 00	10
Carpenters	5	308	2 00	616 00	10
Coremakers	2	308	2 25	693 00	10
Draughtsmen	2	308	3 50	1,078 00	8
Electrical department hands	25	309	2 00	618 00	10
Engineer	1	315	3 00	945 00	10
Fireman	2	307	1 75	537 25	9.5
Foreman	1	295	2 50	737 50	10
Frame makers	2	150	2 06	309 00	10
Grinders	110	306	1 63	510 78	10
Handy-men	60	308	2 00	616 00	10
Helpers	76	305	76	231 80	10
Inspectors	6	305	1 50	457 50	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—Concluded

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Japanner	1	150	\$1 75	\$262 50	10
Laborers	42	307	1 47	451 29	10
Laborer (boy)	1	295	1 00	295 00	10
Machinists	130	298	2 36	703 28	10
Machine department hands	60	309	2 30	710 70	10
Machine hands	76	312	1 71	533 52	10
Moulders	4	308	2 50	770 00	10
Packers	2	300	1 75	525 00	9
Painters	21	308	2 26	696 08	10
Patternmakers	3	308	3 00	924 00	10
Platers	2	225	3 00	675 00	9.5
Polishers	18	302	2 34	706 68	9.8
Pressmen	13	304	1 88	571 52	9.8
Tinners	10	308	2 14	659 12	10
Tool-makers	26	306	2 94	905 64	10
Trimmers	8	308	2 50	770 00	10
Welders	18	315	1 60	504 00	10

BILLIARD TABLES, BAR AND STORE FIXTURES—5 ESTABLISHMENTS.

Bench hands	22	300	2 00	\$600 00	10
Cabinetmakers	40	225	2 22	499 50	10
Carpenters	2	300	2 00	600 00	10
Engineers	3	293	2 44	714 92	10
Finishers	22	297	2 14	635 58	10
Glassworkers	6	300	2 50	750 00	10
Laborers	21	298	1 68	500 64	10
Machine hands	29	296	2 33	688 68	10
Metal workers	2	300	2 50	750 00	10
Watchmen	2	290	1 75	507 50	10
Woodworkers	16	300	2 50	750 00	10

BOILERS, ENGINES AND TANKS—8 ESTABLISHMENTS.

Apprentices	3	305	1 25	381 25	10
Blacksmiths	78	305	2 65	808 25	10
Blacksmiths' helpers	3	305	1 65	503 25	10
Boilermakers	166	302	2 77	562 31	10
Boilermakers' helpers	112	305	1 54	479 70	10
Calkers	26	305	2 75	838 75	10
Carpenters	70	305	2 65	808 25	10
Draughtsmen	17	305	3 35	1,021 75	8
Engineer	1	306	1 75	535 50	10
Heaters	97	305	1 84	561 20	10
Helpers	26	308	1 98	609 84	10
Holders-on	90	305	2 45	747 25	10
Iron workers	650	305	2 65	808 25	10
Joiners	122	305	2 75	838 75	10
Laborers	684	305	1 51	460 55	10
Laborers (boys)	60	305	.75	225 75	10
Machinists	212	304	2 50	760 00	10
Machinists' helpers	118	305	1 59	484 95	10
Moulders	69	305	2 80	854 00	10
Moulders' helpers	58	305	1 70	518 50	10
Painters	124	305	1 80	549 00	10
Patternmakers	22	305	2 75	838 75	10
Rivet boys	2	306	1 25	382 50	10
Riveters	172	305	5 50	1,677 50	10

BOOTS AND SHOES—4 ESTABLISHMENTS.

Bottomers	141	300	1 53	459 00	10
Cutters	64	300	1 43	429 00	10
Cutter and fitter	1	290	3 33	965 70	10
Finishers	2	120	2 00	240 00	9.5
Lasters	3	120	1 60	192 00	9.5
McKay sewer	1	120	2 00	240 00	9.5
Packers	8	300	1 32	369 00	10
Shoemaker	1	300	1 75	525 00	9
Stockroom hands	24	300	1 41	423 00	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.

BOXES (PAPER) — 5 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Box makers	10	303	\$1 87	\$566 61	9.5
Compositor	1	300	2 50	750 00	9
Cutters	12	300	1 57	471 00	9.8
Engravers	3	300	2 42	726 00	9
Feeders	8	300	1 25	875 00	9
Foremen	3	300	4 36	1,308 00	9
Helpers	12	300	75	225 00	10
Laborer	1	306	1 00	306 00	8
Pressmen	4	300	2 50	750 00	9
Shippers	3	300	1 80	540 00	9
Shippers' helpers	4	300	1 10	330 00	9
Teamsters	1	306	1 50	459 00	9

BOXES (WOODEN) — 12 ESTABLISHMENTS.

Box cutters	2	298	2 00	596 00	10
Boxmakers	66	305	1 89	576 25	9.2
Carpenters	2	305	2 50	762 50	10
Engineers	4	297	2 44	724 68	10
Errand boys	5	300	80	240 00	10
Filers	4	296	2 46	728 16	10
Firemen	3	296	1 42	420 32	10
Foreman	1	293	3 00	894 00	10
Helpers	20	304	80	243 20	10
Laborers	111	299	1 59	475 41	10
Machine hands	30	303	1 97	596 91	10
Mechanic	1	280	2 50	700 00	10
Nailers	33	299	1 64	490 36	10
Nailers' helpers	3	307	67	205 69	10
Planer-man	1	280	1 75	490 00	10
Sawyers	46	294	2 08	311 52	10
Shop boys and men	10	280	1 00	280 00	10
Tail-off boys	27	290	69	200 10	10
Tail-off men	3	280	1 50	420 00	10
Teamsters	18	296	1 40	414 40	10
Watchman	1	303	1 95	590 85	.....
Yard-men	11	280	1 50	420 00	10

BREAD AND OTHER BAKERY PRODUCTS — 7 ESTABLISHMENTS.

Apprentices	3	304	1 30	395 20	10
Bakers	113	287	2 15	617 05	9.3
Bench hands	10	306	1 80	550 80	9.5
Drivers	9	307	2 50	767 50	9.8
Engineers	5	311	2 32	721 52	11.2
Helpers	37	309	1 40	432 60	10
Laborers	23	246	1 52	373 92	10
Machinist	1	240	3 00	720 00	10
Pasters	3	312	1 50	468 00	10
Shippers	10	313	2 00	626 00	10
Shop-hands	2	200	2 00	600 00	10
Stable-hands	11	312	1 59	496 08	10
Stockkeeper	2	312	2 00	624 00	10
Truckmen	3	313	1 83	572 79	10

BROOMS AND BRUSHES — 5 ESTABLISHMENTS.

Assorters	5	300	1 00	300 00	10
Broom-makers	10	300	2 25	675 00	10
Brush-makers	10	295	1 61	474 95	9.5
Laborers	29	293	1 21	354 53	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
CARRIAGES AND WAGONS — 28 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	3	300	\$0 92	\$276 00	10
Blacksmiths	75	302	2 36	712 72	10
Blacksmiths' helpers	44	304	1 59	483 36	10
Bodymakers	2	294	3 00	882 00	9
Helpers	21	300	1 63	459 00	10
Laborers (boys)	2	306	75	229 50	10
Painters	86	303	2 21	669 63	9.7
Painters' helper	1	305	1 50	457 50	10
Teamster	1	300	1 50	450 00	9
Trimmers	21	302	2 58	779 16	9.7
Wagon-makers	3	290	2 00	580 00	9
Woodworkers	61	303	2 32	702 96	10.

CARRIAGE AND WAGON MATERIALS — 2 ESTABLISHMENTS.

Blacksmiths	2	306	2 75	841 50	9.5
Carpenter	1	306	2 00	612 00	9.5
Enameler	1	306	3 00	918 00	9.5
Finishers	7	313	1 50	469 50	10
Fitters	14	313	1 90	594 70	10
Forging department hands	16	313	1 80	563 40	10
Grinders	5	313	1 75	545 75	10
Helpers	10	306	1 40	428 40	9.5
Laborers	4	313	1 50	469 50	10
Tinner	1	306	2 50	515 00	9.5

CIGARS — 45 ESTABLISHMENTS.

Apprentices	2	300	\$1 00	\$300 00	8
Bunch makers	35	250	1 75	437 50	8
Cigar-makers	306	295	2 04	601 80	8.4
Drivers	2	280	1 30	364 00	8.5
Engineer	1	300	2 00	600 00	9
Helper	1	300	1 66	498 00	10
Packers	10	291	1 86	641 26	8
Rollers	2	307	1 50	460 50	9
Shipping clerk	1	300	2 50	750 00	9
Stogie makers	40	250	2 00	500 00	8
Strippers	10	275	1 13	310 75	8.3

CLOTHING — 64 ESTABLISHMENTS.

Basters	9	306	\$2 00	\$612 00	9.5
Bushelmen	8	301	2 46	740 46	9.7
Bushelmen's assistant	1	306	1 67	511 02	10
Button-hole maker	1	306	2 66	547 96	10
Cloak makers	50	300	2 50	750 00	10
Coat makers	75	299	2 75	822 25	9.3
Cutters	255	299	2 53	771 42	9.3
Cutters' assistants	4	302	1 20	362 40	9.3
Cutters and trimmers	12	300	2 25	675 00	8
Designers	3	301	6 00	1,806 00	9
Engineer	1	305	2 50	762 50	9
Errand boys	2	300	1 00	300 00	9
Examiners	3	304	3 17	963 68	9.7
Fireman	1	305	2 00	610 00	9
Foremen	2	300	3.50	1,050 00	10.5
Helpers	2	250	75	187 50	8.7
Machine hands	51	300	2 47	741 00	10
Operators	257	291	2 74	797 34	9.6
Packers	3	300	2 25	675 00	9
Porters	4	308	1 63	502 04	9.2
Pressers	96	293	2 14	627 02	9
Shippers	2	300	1 50	450 00	10
Shirt-makers	5	308	1 00	308 00	9.5
Stock hands	8	300	1 72	516 00	9
Tailors	585	301	2 75	827 75	9.6
Trimmers	15	302	2 00	604 00	9
Trowser makers	28	300	2 63	789 00	9.7
Vest makers	19	301	2 75	827 75	9.7
Waist-makers	25	292	2 20	642 40	9.3

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
CLOTHES-WRINGERS AND WASHBOARDS — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Washboard makers	150	259	\$1 00	\$259 00	10

COFFEE, BAKING POWDER AND SPICES — 2 ESTABLISHMENTS.

Fillers and labellers	2	307	\$0 95	\$291 65	9
Packers and checkers	4	307	75	230 25	10
Shippers	5	307	1 25	383 75	10
Teamster	1	300	1 00	300 00	6

CONFECTIONERY — 8 ESTABLISHMENTS.

Box maker	1	246	\$2 50	\$615 00	9.5
Candy-makers	19	291	1 81	526 71	9.7
Cooler	1	301	1 25	376 25	10
Cream-makers	8	365	1 75	638 75	10
Drivers	41	362	1 93	698 66	10
Engineers	2	303	2 75	723 25	10
Foremen	4	349	2 75	959 75	10
Grinder	1	301	1 25	376 25	10
Gum-makers	2	246	3 00	738 00	9.5
Laborers	64	344	1 73	612 32	10
Mixer	1	301	2 00	602 00	10
Piece workers	4	305	1 80	549 00	10
Pressman	1	301	2 00	602 00	10
Roaster	1	301	1 35	406 35	10
Shakers	3	301	75	225 75	10
Shippers	5	304	1 74	528 96	10

COOPERAGE — 5 ESTABLISHMENTS.

Coopers	59	288	\$1 82	\$524 16	9.6
Engineers	1	300	2 50	750 00	10
Fireman	1	300	1 25	375 00	10
Laborers	16	300	1 50	450 00	10
Laborers (boys)	36	299	78	233 22	9.8
Machine hands	18	298	1 56	464 88	10
Mill hands	4	300	2 00	600 00	10
Nailers	5	300	2 00	600 00	10
Piece workers	80	297	1 50	445 50	10
Sawyers	6	300	2 50	750 00	10
Teamsters	17	300	1 64	492 00	10

COPPER AND BRASS GOODS — 18 ESTABLISHMENTS.

Apprentices	18	251	\$0 75	\$188 25	10
Assemblers	15	256	1 80	460 00	10
Bench hands	12	215	2 25	483 75	10
Blacksmith and helper	2	215	2 00	430 00	10
Brass-finishers	108	295	2 16	637 20	10
Brush hands	11	300	2 00	600 00	10
Buffers	13	288	1 96	564 48	9.7
Cabinetmakers	8	300	2 25	675 00	10
Carpenters	14	298	2 25	670 50	10
Chandelier fitters	6	303	1 31	396 93	10
Core-makers	31	296	1 60	473 60	10
Electro-plater	1	300	1 75	425 00	9.5
Engineers	3	282	2 00	564 00	10
Errand boy	1	307	1 00	307 00	10
Filer	1	303	1 10	333 30	10
Finishers	15	300	2 25	675 00	10
Fitters	12	298	2 25	670 50	10
Foremen	7	225	2 86	643 50	9.7
Foundry hands	35	300	2 10	630 00	10
Furnace-man	1	307	2 50	767 50	10
Helpers	8	295	1 17	345 15	9.6
Inspectors	2	215	2 00	430 00	10
Laborers	98	267	1 74	464 58	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

COPPER AND BRASS GOODS—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Laborers (boys)	4	300	\$0 80	\$240 00	9.2
Lacquerer	1	303	2 00	606 00	10
Lathe hands	5	303	2 13	645 39	10
Machinists	14	239	2 43	580 77	10
Machine hands	48	286	1 60	457 60	10
Moulders	72	290	2 24	649 00	10
Packers	3	300	1 50	450 00	10
Painters	6	258	2 25	580 50	10
Patternmakers	3	235	2 33	547 55	10
Plater	1	297	2 75	816 75	10
Polishers	13	283	2 20	622 60	9.5
Polishers and platers	13	261	1 73	451 53	10
Shippers	2	271	1 37	371 27	10
Spinner	1	303	3 00	909 00	10
Stock men	3	300	1 75	525 00	10
Tack makers	5	300	3 00	900 00	10
Tinners	13	299	2 44	729 56	10
Tool makers	6	240	2 50	600 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN—8 ESTABLISHMENTS.

Carders	10	361	\$1 45	\$463 45	10
Combers	9	295	1 17	345 15	10
Dressers and warpers	4	295	1 87	551 65	10
Dyers	30	295	1 40	413 00	10
Finishers	22	296	1 41	417 36	10
Knitters	8	300	1 81	543 00	9
Laborers	45	301	1 35	406 35	10
Loom fixers	13	295	1 92	566 40	10
Machinists	17	295	1 92	566 40	10
Machine hands	32	357	1 52	542 64	10
Menders	2	295	77	227 15	10
Shipping clerk	1	300	1 66	498 00	.....
Spinners	19	296	1 14	337 44	10
Weavers	16	298	96	286 08	10
Wool-workers	16	295	1 32	389 40	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—9 ESTABLISHMENTS.

Blacksmiths	3	365	\$2 17	\$792 05	10
Blacksmiths' helpers	3	365	1 50	547 50	10
Boiler maker	1	365	2 50	912 50	10
Boiler makers' helper	1	365	1 60	584 00	10
Carpenters	29	363	2 42	878 46	10
Carpenters' helpers	9	365	1 50	547 50	10
Cutters	5	304	2 25	684 00	10
Engineer	1	306	2 25	688 50	11
Firemen	2	300	2 00	600 00	10
Grinders	3	300	1 75	525 00	10
Instrument makers	16	292	2 41	703 72	9.3
Laborers	17	300	1 60	480 00	10
Limb makers	2	308	1 00	308 00	9
Machinists	24	269	2 28	613 32	9.6
Machinists' helpers	2	365	1 50	547 50	10
Masons	11	365	4 00	1,460 00	10
Masons' helpers	13	365	1 50	547 50	10
Metal polishers	6	293	2 00	586 00	10
Mixer	1	310	1 75	542 50	10
Molders	2	300	2 50	750 00	10
Nickel plater	1	288	3 00	864 00	10
Pipe fitters	3	365	2 25	821 25	10
Pipe fitters' helpers	3	365	1 50	547 50	10
Plumbers	7	365	2 75	1,003 75	10
Plumbers' helpers	8	365	90	328 50	10
Steel turners	3	304	1 75	532 00	10
Stillmen	2	300	2 50	750 00	10
Tool makers	4	296	2 87	948 52	10
Wood turners	2	288	2 50	720 00	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
ELECTRICAL GOODS AND SUPPLIES — 17 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	43	299	\$0 99	\$296 01	9.5
Armature winders	22	300	2 25	675 00	10
Assemblers	40	307	1 50	460 50	10
Blacksmiths	3	298	2 75	819 50	9
Blacksmiths' helpers	3	298	1 75	521 50	9
Blowers-off	2	205	1 15	238 75	10
Buffers	12	275	2 20	605 00	10
Cappers and solderers	5	205	1 25	256 25	10
Carbon makers	50	250	1 60	400 00	10
Carpenters	13	285	2 48	706 80	9
Casting cleaners	36	298	1 75	521 50	10
Chandelier makers	17	275	1 80	495 00	10
Chemist	1	300	4 00	1,200 00	10
Core makers	41	294	2 39	702 66	10
Cutters	3	205	1 00	205 00	10
Draughtsmen	2	280	4 90	1,372 00	10
Electricians	23	299	2 00	598 00	9.7
Engineers	6	285	2 36	625 40	11.8
Field winders	2	300	2 25	675 00	10
Firemen	4	298	2 00	596 00	12
Fitters	13	275	1 85	783 75	10
Foremen	5	193	2 71	523 03	10
Furnace tender	1	300	2 25	675 00	10
Hammermen	4	300	2 25	675 00	10
Heaters	2	300	1 50	450 00	10
Helpers	12	305	1 10	335 50	10
Hydraulic pressman	1	300	2 00	600 00	10
Laborers	931	299	1 47	439 53	9.8
Laborers (boys)	5	300	1 00	300 00	10
Lacquerers	2	275	1 00	275 00	10
Lead burners	10	300	2 50	750 00	10
Machinists	162	295	2 07	610 65	10
Machine hands	56	307	1 53	469 71	10
Mantle makers	7	192	1 00	192 00	9
Mechanics	108	304	2 06	626 24	10
Moulders	120	297	2 81	834 57	10
Packers and shippers	3	205	1 35	276 75	.....
Pattern makers	10	293	2 95	864 35	9.2
Platers, dipper and cleaners	7	275	1 20	330 00	10
Polishers	15	306	1 76	538 56	10.3
Sealer in	1	205	1 75	358 75	10
Shipping clerk	1	300	2 25	675 00	10
Spinners	5	275	1 85	508 75	10
Steam fitter	1	298	2 50	745 00	9
Stock hands	7	177	1 54	272 58	10
Switchboard men	11	307	2 60	798 20	10
Teamsters	3	298	1 60	476 80	9
Tinner	1	298	2 50	745 00	9
Tool and die makers	13	307	2 66	816 62	10
Trimmers	2	300	1 50	450 00	10
Tubelators	4	205	1 75	358 75	10
Watchmen	9	259	1 77	458 43	11.7
Winders	3	305	2 25	686 25	10

ELEVATORS AND HOISTING MACHINERY — 3 ESTABLISHMENTS.

Blacksmith	1	298	2 50	745 00	10
Carpenters	8	298	2 50	745 00	10
Electricians	2	298	2 50	745 00	10
Helpers	6	281	1 50	421 50	9.6
Laborers	10	298	1 65	491 70	10
Machinists	24	300	2 43	729 00	10
Millwrights	10	274	2 93	802 82	9.7

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
FERTILIZERS — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	2	365	\$1 75	\$638 75	10
Carpenters	4	365	2 25	821 25	10
Engineers	3	346	2 41	833 86	10
Firemen	6	365	1 92	700 80	11.3
Laborers	100	333	150	499 50	10
Machinists	1	365	3 00	1,095 00	10
Teamsters	13	326	1 89	616 14	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 4 ESTABLISHMENTS.

Chemist	1	306	\$3 13	\$957 78	.....
Compounder	1	300	4 00	1,200 00	10
Engineer	1	306	2 50	765 00	10
Laborers	16	306	1 04	318 24	9.6
Porters	3	300	1 50	450 00	10
Shipping clerks	2	306	2 29	700 74	.....
Teamsters	2	300	1 70	510 00	10

FLOURING MILL PRODUCTS — 4 ESTABLISHMENTS.

Engineers	4	117	\$3 01	\$352 17	11.5
Firemen	4	150	2 00	300 00	12
Laborers	35	225	1 67	375 75	10
Millers	13	150	2 00	300 00	12
Packers	12	150	1 67	250 50	10
Teamsters	4	150	1 67	250 50	10
Warehouse men	2	16	1 67	25 12	10

FOUNDRY AND MACHINE SHOP PRODUCTS — 64 ESTABLISHMENTS.

Apprentices	26	293	\$1 28	\$375 04	10
Assemblers	4	307	2 25	690 75	10
Ball makers	16	300	1 50	450 00	10
Bench hands	34	301	2 60	782 60	10
Blacksmiths	51	300	2 39	717 00	10
Blacksmiths' helpers	13	306	1 70	520 20	10
Bolt cutter	1	300	1 17	351 00	10
Bolt headers	109	307	2 52	773 64	10
Bolt headers' helpers	59	307	1 71	524 97	10
Bolt shearer	1	309	3 75	1,158 75	10
Bolt turners	6	309	1 75	540 75	10
Burring boys	13	307	90	276 30	10
Carpenters	51	296	2 24	663 04	10
Chain makers	12	300	2 50	750 00	10
Chemists	2	235	2 75	733 75	10
Chippers	37	290	1 55	449 50	10
Cold headers	8	307	1 75	537 25	10
Core makers	316	299	1 91	571 09	10
Crane men	3	292	1 73	505 16	10
Cupola tenders	7	299	2 11	630 89	10
Cupola tenders' helper	1	292	1 60	467 20	10
Cutters	32	305	1 06	323 30	10
Draughtsmen	4	298	2 56	762 88	9.2
Drill hands	3	306	1 00	306 00	10
Dumpers	6	302	1 75	528 50	10
Electricians	5	296	2 48	734 08	10.4
Engineers	40	297	2 42	718 74	10.3
Feeders	45	309	75	231 75	10
Files and grinders	20	300	1 40	420 00	10
Finishers	41	307	1 41	432 87	10
Firemen	5	296	1 94	574 24	10.4
Fitters	4	307	1 87	574 09	10
Foremen	15	304	3 08	936 32	10
Forge makers	450	300	2 10	630 00	10
Furnace men	50	308	2 71	821 13	11.4

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Gear cutters	8	300	\$2 25	\$675 00	10
Grate maker	1	300	2 30	690 00	9
Grinders	26	300	1 34	402 00	10
Headerman	1	286	3 30	943 80	10
Helpers	191	300	1 57	471 00	10
Japanners	6	296	1 50	444 00	10
Keg makers	13	307	1 75	537 25	10
Laborers	2,682	303	1 58	478 74	10
Laborers (boys)	150	307	93	285 51	10
Laborers and helpers	91	300	1 35	405 00	10
Lathe hands	3	292	2 28	665 76	10
Machinists	633	302	2 18	658 36	10
Machine hands	176	300	1 93	579 00	9
Machinists' helpers	19	303	1 81	548 43	10
Machine operators	3	288	3 22	927 36	10
Machinists and tool makers	6	300	2 60	780 00	10
Masons	12	306	3 67	1,123 02	10
Mechanics	7	300	2 06	618 00	10
Melters	10	296	2 05	606 80	10
Mill men	9	301	1 65	496 65	10
Millwright	1	296	4 00	1,184 00	10
Molders	1,587	299	2 41	720 59	9.8
Molders' helpers and laborers	23	251	1 50	376 50	10
Mounters	10	293	3 00	879 00	10
Nutters	144	307	71	217 97	10
Nut feeders	123	307	2 65	813 55	10
Nut makers	89	308	1 93	594 44	10
Operators	84	305	1 61	491 05	10
Packers	94	306	1 38	422 28	10
Painters	2	307	2 07	614 00	10
Paperers	7	309	2 50	772 50	10
Pattern makers	48	298	2 61	777 78	10
Piece workers	22	286	2 00	572 00	10
Plating department hands	57	297	1 70	504 90	10
Polishers	9	300	2 00	600 00	10
Press hands	7	182	1 25	227 50	10
Pipe makers	282	151	1 65	249 15	10
Riveters	6	293	2 71	794 03	10
Rivet makers	3	310	1 75	542 50	10
Rivet makers and heaters	27	300	2 50	750 00	11
Shipping room hands	46	300	1 44	432 00	10
Shop hands	12	302	1 50	453 00	10
Shovel makers	41	293	1 66	486 38	10
Sorters	41	300	1 00	300 00	10
Tappers	95	307	1 37	420 59	10
Teamsters	10	303	1 69	512 07	10
Threaders	124	307	1 12	343 84	10
Trimmers	12	307	1 50	460 50	10
Turners	6	307	2 00	614 00	10
Washer makers	32	307	1 56	478 92	10
Watchmen	9	295	2 08	613 60	10
Wrench hands	22	309	2 00	618 00	10
Yard hands	30	307	1 30	399 10	10

FURNITURE — 7 ESTABLISHMENTS.

Cabinet makers	17	288	\$2 00	\$576 00	8.7
Finishers	26	294	1 60	470 40	9.6
Helpers	5	292	85	248 20	9.6
Laborers	2	280	1 50	420 00	9
Machine hands	13	285	2 31	658 35	8.8
Mechanics	8	300	1 25	375 00	10
Upholsterers	60	298	1 86	554 28	10
Upholsterers' helpers	6	300	75	225 00	10
Wood carvers	2	300	3 50	1,050 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
GUNPOWDER AND OTHER EXPLOSIVES—2 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	1	310	\$2 25	\$697 50	8
Engineers	2	310	3 50	1,085 00	10
Firemen	7	310	1 96	607 60	9
Laborers	16	305	1 50	457 50	8
Machinists	3	300	2 72	816 00	8
Machine hands	3	300	1 80	540 00	8
Mechanics	3	310	2 50	775 00	8
Millwright	1	310	3 00	930 00	8
Powder-makers	28	310	2 11	654 10	8
Teamsters	8	310	1 79	554 90	9.5
Tool-makers	30	311	2 77	861 47	9.3
Watchman	1	300	2 00	600 00	12

HARDWARE—13 ESTABLISHMENTS.

Assemblers	8	300	\$0 50	\$150 00	10
Blacksmiths	31	295	2 30	678 50	10
Bench hands	7	300	2 00	600 00	10
Box makers	4	294	90	264 60	10
Brass finishers	2	300	2 25	675 00	10
Buffers	15	292	2 08	607 36	10
Can makers	3	300	1 15	345 00	10
Drillers	2	300	75	225 00	9.5
Engineers	7	303	2 54	769 62	10.3
Fitters	100	294	1 75	514 50	10
Foremen	15	294	3 00	882 00	10
Forge department hands	20	250	2 75	687 50	10
Foundry hands	20	250	2 75	687 50	10
Furnace men	7	294	1 75	514 50	10
Grinders	25	290	1 35	391 50	10
Hardware department hands	75	250	1 00	250 00	10
Headers	5	290	1 75	507 50	10
Heaters	5	290	1 35	391 50	10
Helpers (boys)	16	300	98	294 00	10
Laborers	1,056	296	1 46	432 16	10
Machinists	70	290	2 24	649 60	10.3
Machine hands	60	239	1 67	399 13	9.5
Metal stampers	15	300	1 33	399 00	10
Molders	447	294	2 23	655 62	10
Packers	29	297	1 26	374 22	10
Patern makers	27	285	2 43	692 55	9.5
Platers	3	271	2 50	677 50	10
Polishers	84	296	1 96	580 16	10
Press boys	10	290	1 00	290 00	10
Press hands	47	312	1 61	502 32	9.6
Register mounters	4	300	2 00	600 00	9.5
Riveter	1	300	1 25	375 00	10
Rolling-mill hands	23	288	1 95	561 60	10
Shippers	4	300	1 62	486 00	9.6
Tinners	3	300	2 00	600 00	9.5

HARNES AND SADDLERY—5 ESTABLISHMENTS.

Apprentice	1	306	\$0 80	\$244 80	10
Boot makers	3	200	1 75	350 00	10
Harness makers	34	299	1 97	589 03	10

HATS, CAPS AND FURNISHINGS—8 ESTABLISHMENTS.

Cap makers	12	300	2 00	600 00	8
Cutters	3	291	1 58	454 78	9.7
Dyers	5	320	2 00	640 00	10
Hatters	1	310	2 50	775 00	10
Molders	5	320	3 00	960 00	10
Operators	12	300	1 82	546 00	10
Packers	10	320	2 00	640 00	10
Pressers and stampers	60	320	2 25	720 00	10
Shapers	2	300	2 00	600 00	10
Suspender makers	2	300	2 25	675 00	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
ICE (ARTIFICIAL)—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engineers	13	187	\$2 78	\$519 86	.5
Firemen	17	185	1 90	351 50	10.5
Laborers	37	212	1 96	415 52	11.7

INKS—2 ESTABLISHMENTS.

Ink department hands	3	275	1 50	412 50	9
Ink maker	1	300	4 70	1,410 00	10
Ink makers' helpers	3	300	1 08	324 00	9
Paint department hands	11	275	1 50	412 50	9

IRON (STRUCTURAL AND ARCHITECTURAL)—14 ESTABLISHMENTS.

Blacksmiths	68	304	1 74	528 96	9.2
Blacksmiths' helpers	10	301	2 00	602 00	10
Boiler makers	128	306	1 60	489 60	10
Core makers	5	127	2 50	317 50	10
Draughtsmen	2	310	2 50	775 00	8
Fence makers	6	250	1 57	392 50	10
Foundry hands	60	306	1 80	550 80	10
Iron workers	665	300	1 60	480 00	10
Laborers	119	256	1 51	386 56	10
Machinists	337	279	2 05	571 95	10
Moulders	16	127	3 00	381 00	10
Painters and shippers	40	304	1 51	459 04	9
Pattern makers	16	202	2 90	585 80	10
Piece workers	3	295	2 00	590 00	10
Roofers	15	285	1 50	427 50	10
Teamsters	3	305	1 83	553 15	10
Wire workers	11	304	1 77	538 08	10

JEWELRY—3 ESTABLISHMENTS.

Diamond setter	1	303	\$3 00	\$909 00	9
Jewelers	10	311	2 33	724 63	8.7

LEATHER AND LEATHER GOODS—5 ESTABLISHMENTS.

Beam hands	6	302	\$2 11	\$637 22	10
Belt makers	11	307	1 66	509 62	10
Curriers	13	300	2 00	600 00	10.3
Engineers	4	302	2 38	718 76	11
Finishers	2	307	2 00	614 00	10
Laborers	20	300	1 50	450 00	10
Shaver	1	307	2 00	614 00	10
Sole cutters	3	300	2 00	600 00	10
Sorters	5	300	2 00	600 00	10
Stock boys	20	300	1 00	300 00	10
Table hands	2	307	1 75	537 25	10
Tackers	2	300	2 25	675 00	10
Tanners	16	310	1 60	496 00	10
Teamsters	2	303	1 67	506 01	10
Whiteners	2	307	2 00	614 00	10
Yardmen	2	307	1 55	475 85	10

LIGHTING APPARATUSES—2 ESTABLISHMENTS.

Assemblers	20	300	\$1 40	\$420 00	10
Helpers	2	302	1 00	302 00	10
Lighters	24	302	2 00	604 00	10
Machinists	4	302	2 25	679 50	10
Machine hands	20	300	1 50	450 00	10
Tool makers	3	300	3 00	900 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
LIME, SAND, CEMENT AND PLASTER—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	2	325	\$2 00	\$650 00	10
Chemists	2	325	4 17	1,855 25	.....
Coopers	33	276	1 48	408 48	10
Electrician	1	325	3 00	975 00	10
Engineers	4	319	2 75	877 25	10
Laborers	149	323	1 70	549 10	11.3
Lime kiln hands.....	119	276	1 60	441 60	10
Machinists	2	325	2 00	650 00	10
Millers	2	325	2 00	650 00	12
Millwrights	2	325	2 50	812 50	12
Plaster mixers	4	302	2 00	604 00	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING—9 ESTABLISHMENTS.

Apprentices	7	304	\$0 86	\$261 44	8.6
Artists	15	309	3 58	1,106 22	8
Cutters	3	303	2 67	809 01	10
Designer	1	309	7 00	2,163 00	8
Electrotypers	45	302	2 06	622 12	9
Engineer	1	309	1 75	540 75	10
Engravers	62	306	2 20	673 20	8.4
Engravers and artists.....	14	300	2 50	750 00	8
Errand boys	2	300	50	150 00	10
Feeders	12	306	1 40	428 40	10
Floor boys	9	309	35	262 65	10
Foreman	1	309	4 00	1,236 00	10
Letterer	1	309	3 35	1,035 15	8
Pressmen	12	306	2 42	740 52	10
Shippers	3	309	1 80	556 20	10
Shippers' assistant	1	309	60	185 40	10
Stone planer	1	309	1 65	509 85	10
Stone polishers	4	307	2 06	632 42	10
Transferers	9	304	2 81	854 24	10
Transferers' assistants	2	309	1 00	309 00	10

MACHINERY—37 ESTABLISHMENTS.

Apprentices	207	296	\$0 84	\$248 64	10
Assemblers	60	304	2 25	684 00	10
Bench hands	40	304	1 75	532 00	10
Blacksmiths	80	298	2 46	733 08	9.8
Blacksmiths' helpers	4	316	1 75	553 00	10
Boiler makers	57	311	2 60	808 60	9
Bridge workers	87	290	1 88	545 20	10
Carpenters	46	296	2 34	692 64	9.8
Carpenters, pattern makers and painters.....	8	292	2 50	730 00	10
Case hardeners	3	304	2 12	644 48	10
Core makers	9	312	2 65	826 80	9
Die makers	6	301	2 75	827 75	9
Draughtsmen	34	303	3 29	996 87	8.4
Drill hands	6	310	2 35	728 50	9
Drill and lathe hands.....	105	291	2 35	683 85	9
Electricians	2	296	2 67	790 32	10
Elevator hands	2	304	1 35	410 40	10
Engineers	11	302	2 39	721 78	10
Erectors	165	291	2 39	695 49	10
Firemen	4	302	1 97	594 94	10
Foremen	23	300	3 73	1,119 00	10
Helpers	674	303	1 49	451 47	9.2
Japanners	9	304	2 25	684 00	10
Laborers	384	294	1 53	464 52	9.3
Laborers (boys)	11	300	1 04	312 00	10
Lathe hands	12	310	2 60	806 00	9
Machinists	1,156	272	2 35	639 20	9.7
Machine hands	208	283	1 69	478 27	10
Machinists' helpers	27	302	1 60	483 20	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.

MACHINERY — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Mechanics	75	292	\$1 86	\$543 12	10
Mill hands	25	304	1 00	304 00	10
Millwrights	2	331	2 50	827 50	10.5
Moulders	43	312	2 90	904 80	9
Moulders' helpers	7	312	1 75	546 00	9
Nicklers and buffers	5	304	1 45	440 80	10
Painters'	18	292	1 82	533 44	10
Pattern makers	68	302	2 56	773 12	9.8
Planers	6	307	2 52	773 64	9.3
Polishers	11	304	3 75	1,140 00	10
Porters	3	300	1 60	480 00	9.7
Press hands	3	305	1 00	305 00	10
Punch hand	1	300	2 25	675 00	9
Riveters	2	300	2 00	600 00	9
Shapers	2	310	2 60	706 00	9
Shipping clerks	20	303	1 75	530 25	10
Stock keepers	20	303	1 46	442 38	10
Stone dressers	3	306	2 25	688 50	10
Structural workers	42	302	3 04	918 08	9.8
Sweepers	6	304	1 43	434 72	10
Teamsters	7	300	2 25	675 00	10.7
Timekeeper	1	292	2 33	680 36	10
Tool makers	35	304	2 51	763 04	10
Vise hands	21	309	2 59	800 31	9
Watchmen	6	317	1 86	583 62	11
Yardmen	112	290	1 78	516 20	10

MARBLE AND GRANITE — 3 ESTABLISHMENTS.

Blacksmiths	3	276	\$2 21	\$830 16	9
Carpenters	3	304	1 85	562 40	10
Coopers	3	304	1 65	501 60	10
Cutters	29	277	2 75	761 75	9
Cutters' apprentices	4	275	1 75	481 25	8
Draughtsmen	2	304	3 65	1,109 60	.....
Engineers	2	304	2 75	836 00	10
Laborers	22	303	1 89	572 67	10
Machinists	2	289	2 63	760 07	9
Mosaic workers	33	304	1 65	501 60	10
Planers and lathers	5	304	2 10	638 40	10
Polishers	23	300	1 75	525 00	9.4
Rubbers	12	304	2 00	608 00	10
Setters	8	304	3 00	912 00	9

MOULDINGS AND FRAMES — 4 ESTABLISHMENTS.

Composition room hands	7	300	\$0 75	\$225 00	10
Composition machine hands	4	280	1 65	462 00	10
Composition ornamenters	20	296	1 50	444 00	10
Engineers	2	195	2 13	415 35	10
Fillers	6	280	1 30	364 00	10
Finishers	89	293	1 53	448 29	10
Finishers' helpers	4	300	1 00	300 00	10
Finishers and gilders	38	280	1 60	448 00	10
Foremen	4	300	2 66	798 00	10
Frame cutters	2	280	1 65	462 00	10
Frame fitters	3	300	2 00	600 00	10
Frame joiners	19	290	1 52	440 80	10
Gilders	2	290	2 50	725 00	10
Gilders' helpers	6	300	1 50	450 00	10
Laborers	12	296	1 50	444 00	10
Lumber shovers	4	280	1 25	350 00	10
Mill hands	17	289	1 59	459 51	10
Mounters	10	280	1 40	392 00	10
Packers	13	288	1 43	411 84	10
Picture fitters	3	280	1 50	420 00	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
MOULDINGS AND FRAMES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Polishers	40	287	\$1 75	\$502 25	10
Sandpaperers	7	280	1 50	420 00	10
Sawyers and planers.....	3	280	1 50	420 00	10
Silver gilders	12	280	1 85	518 00	10
Shippers and packers.....	4	300	1 25	375 00	10
Sticker hands	5	280	1 65	462 00	10
Teamsters	2	280	1 65	462 00	10
Whiting machine hands.....	2	280	1 50	420 00	10
Whiting machine helpers.....	4	280	1 30	364 00	10
Wood workers and laborers.....	16	296	1 75	518 00	10

OIL AND GREASE — 14 ESTABLISHMENTS.

Barrel makers	70	290	\$1 83	\$530 70	9
Barrel makers (boys).....	20	290	74	214 60	10
Barrel repairers	22	290	2 01	582 90	10
Barrel repairers (boys)	2	290	1 25	362 50	9
Blacksmiths	8	290	2 25	652 50	9
Blacksmiths' helpers	8	290	1 70	493 00	9
Boiler makers	43	291	2 15	625 65	9.2
Can makers	23	290	2 22	643 80	10
Can makers (boys).....	50	290	1 15	333 50	10
Canners	5	290	1 55	449 50	9
Canners (boys)	2	290	83	240 70	9
Candle moulders	16	290	1 75	507 50	9
Car builders and repairers.....	72	290	1 85	536 50	9
Carpenters	5	290	2 30	667 00	9
Coopers	4	301	2 25	677 25	9.2
Compounders	22	303	1 95	590 85	9.6
Engineers	10	293	2 64	773 52	11
Firemen	45	290	2 36	684 40	11.6
Foremen	3	294	3 01	884 94	9.3
Grease box makers.....	3	290	1 76	510 40	9
Grease box makers (boys).....	20	290	94	272 60	10
Grease makers	6	290	2 39	693 10	10
Grease works' fillers (boys).....	3	290	77	223 30	9
Laborers	260	292	1 61	470 12	9.6
Laborer (boy)	1	300	75	225 00	9
Lithographer	1	290	3 75	1,087 50	9
Lithographer transferer	1	290	3 33	965 70	9
Machinists	26	290	2 45	710 50	9
Machine oil fillers and packers (boys).....	4	290	78	226 20	9
Masons	7	290	1 94	562 60	5
Masons' helpers	9	290	1 25	362 50	6
Mixers	2	300	2 12	636 00	8
Oil handlers	7	295	1 65	486 75	9
Packing case makers.....	17	290	1 91	553 90	10
Packing case makers (boys).....	15	290	81	234 90	10
Painters	2	290	2 25	652 50	9
Pipe fitters	5	292	2 16	630 72	9.4
Pressmen	6	290	1 78	516 20	10.7
Printers	25	290	1 70	493 00	9
Pumpmen	10	291	2 30	669 30	11
Refiners	2	300	1 50	450 00	8
Revivifying compounder	3	290	2 53	733 70	12
Shippers	12	291	2 07	602 37	9
Stave inspectors	5	290	1 80	522 00	9
Still inspector	1	290	1 67	484 30	5
Stillmen	16	293	2 46	720 78	11.3
Switching crew	5	290	2 16	626 40	10
Tank cleaners and loaders.....	4	290	1 75	507 50	9
Teamsters	280	290	1 90	551 00	10
Tinsmiths	6	290	2 10	609 00	9
Treaters	6	293	2 89	846 77	9.7
Warehouse men	7	302	2 43	733 86	8.7
Watchmen	7	292	2 22	648 24	12.3

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
PAINTS AND VARNISHES—11 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Assemblers	4	295	\$1 75	\$516 25	9.7
Blacksmiths	2	286	2 50	715 00	10
Carpenters	6	290	2 50	725 00	10
Color makers	14	298	1 75	521 50	10
Coopers	4	306	1 81	553 86	9.7
Coopers' helper	1	300	1 66	498 00	9
Cook	1	286	1 75	500 50	10
Compositors	6	286	2 18	623 48	9.5
Electrician	1	286	2 25	643 50	10
Engineers	4	305	2 46	750 30	10
Engineers and firemen	5	286	2 30	657 80	12
Feeders	19	286	1 00	286 00	9.5
Filterer	1	300	1 75	525 00	9
Fireman	1	299	1 75	523 25	10
Grinders	12	306	2 00	612 00	10
Helper	1	313	2 00	626 00	9
Helpers and laborers	8	308	1 75	539 00	10
Janitors and porters	4	286	1 54	440 44	10
Laborers	191	289	1 59	459 51	10
Machinists	15	286	2 35	672 10	10
Machinists' apprentices	21	286	1 40	400 40	10
Machine hands	51	286	1 65	471 90	10
Melters	3	300	3 27	981 00	9
Melters' helpers	6	300	1 88	564 00	9
Mixers	2	295	1 60	472 00	10
Packers	34	291	1 57	456 87	10
Painters	10	302	1 80	543 60	9.8
Paint mixers	17	293	1 80	527 40	9.7
Shippers	2	307	2 10	644 70	9.5
Shippers' helpers	4	300	1 42	426 00	9
Solderers	3	286	2 15	614 90	10
Stone dressers	2	313	2 75	860 75	10
Teamsters	4	312	2 25	702 00	10
Tinners	10	286	2 40	686 40	10
Varnish makers	14	298	2 37	706 28	10
Varnish melter	1	313	3 00	939 00	10
Varnish melters and helpers	3	313	1 75	547 75	10
Warehouse men	4	308	2 25	693 00	10
Watchmen	6	299	2 07	618 93	12.2

PATTERNS AND MODELS—5 ESTABLISHMENTS.

Laborer (boy)	1	300	\$0 50	\$150 00	10
Pattern makers	73	294	2 30	676 20	10
Pattern and model makers	15	300	2 75	825 00	10
Wood worker	1	300	2 00	600 00	10

PIANOS AND OTHER MUSICAL INSTRUMENTS—2 ESTABLISHMENTS.

Action makers	2	300	\$2 25	\$675 00	10
Bellymen	4	300	1 74	522 00	10
Case makers	6	300	2 00	600 00	10
Engineer	1	300	2 25	675 00	10
Finishers	6	300	3 25	975 00	10
Laborers	9	300	1 13	339 00	10
Machine hands	5	300	2 40	720 00	10
Rubbers and polishers	7	300	2 00	600 00	10
Stringer	1	300	2 00	600 00	10
Trapper	1	300	1 75	525 00	10
Tuners	4	300	2 25	675 00	10
Varnishers	5	300	2 00	600 00	10
Wood carver	1	300	2 50	750 00	9
Wood workers	5	280	2 25	630 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.

PLATING—2 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	4	300	\$1 00	\$300 00	10
Buffers	3	300	2 09	627 00	9.7
Helper	1	300	1 00	300 00	9
Platers	4	300	2 75	825 00	9.5
Polishers	6	300	2 10	630 00	10
Repairer	1	300	1 25	375 00	10

PLUMBING, STEAM AND GAS FITTING SUPPLIES—8 ESTABLISHMENTS.

Assemblers	10	315	\$1 00	\$315 00	9.8
Blacksmith	1	73	2 50	182 50	9.5
Buffers	14	320	2 00	640 00	10
Cock makers	12	295	1 75	516 25	10
Core makers	9	309	1 64	506 76	10
Finishers	20	295	2 25	663 75	10
Foremen	5	313	2 71	848 23	8
Furnace men	2	320	2 25	720 00	10
Helpers	10	300	1 50	450 00	8
Laborers	90	312	1 75	546 00	10
Lathe hands	2	295	1 50	442 50	9
Machinists	9	122	2 50	305 00	9.4
Machine hands	43	312	1 64	511 68	10
Moulders	14	306	2 19	670 14	10
Pattern maker	1	320	3 00	960 00	10
Plater	1	320	2 25	720 00	10
Plater's helper	1	320	75	240 00	10
Polishers	15	320	2 25	720 00	10
Press hands	4	295	1 25	368 75	9
Shipper	1	295	2 00	590 00	9
Steam fitters	13	250	3 12	780 00	8
Steam fitters' helpers	2	313	1 50	469 50	8
Tool makers	4	308	2 87	883 96	9.5

PRINTING AND BINDING—59 ESTABLISHMENTS.

Apprentices	10	300	\$0 54	\$162 00	9.3
Artist	1	306	2 83	865 98	8
Binders	98	290	2 02	585 80	9.2
Bindery boys	3	304	63	191 52	9
Compositors	291	289	2 31	667 59	9
Compositors (boys)	2	306	96	293 76	9
Compositors and pressmen	9	300	1 50	450 00	9
Cutters	22	307	1 95	598 65	9
Die stamper	1	308	2 00	616 00	9
Distributor	1	306	75	229 50	9
Draughtsman	1	312	2 00	624 00	4
Electrotypers	8	208	1 95	405 60	9
Electrotype caster	1	303	2 33	705 99	9
Electrotype finisher	1	303	3 33	1,008 99	9
Electrotype helpers	3	303	89	269 67	9
Electrotype molder	1	303	2 71	821 13	9
Elevator men	2	313	1 00	313 00	9
Engineers	5	288	2 70	777 60	9.5
Engineers' assistant	1	312	2 37	739 44	9
Engraver	1	306	3 00	918 00	8
Errand boys	42	302	55	166 10	9
Feeders	149	303	1 39	421 17	9
Finishers	3	307	3 00	921 00	9
Firemen	2	310	1 75	542 50	9
Foremen	3	310	2 33	722 30	9
Forwarders	4	306	2 25	688 50	9
Helpers	5	304	88	267 52	9
Janitors	3	312	1 36	424 32	9
Laborers	9	249	1 77	440 73	9
Linotype operators	13	311	3 38	1,051 18	8
Lithographing engravers	5	308	3 15	970 20	8

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
PRINTING AND BINDING — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Machinists	2	299	3 95	1,181 05	9
Machinists' helper	1	312	1 50	468 00	9
Mailers	7	262	1 36	356 32	9
Make-ups	3	312	2 83	882 96	8
Packer	1	304	1 30	395 20	9
Porter	1	286	2 00	572 00	9
Pressmen	143	298	2 05	610 90	9
Pressman's assistant	3	308	1 83	563 64	9
Proof readers	6	271	3 00	813 00	9
Rulers	14	306	2 63	804 78	9
Shipping clerks	3	305	1 81	552 05	9
Stereotypers	5	312	2 18	680 16	8
Stone polishers	3	308	1 75	539 00	9
Teamster	1	303	1 33	402 99	9
Transfers	11	307	3 15	967 05	9
Type machine operator	1	303	3 00	909 00	9
Type machine operator's assistant	1	303	1 50	454 50	9
Watchman	1	313	2 00	626 00	9

PUMPS AND WATER WHEELS — 3 ESTABLISHMENTS.

Engineer	1	305	\$2 00	\$610 00	10
Helpers	2	306	1 00	306 00	10
Machinists	7	305	2 00	610 00	10
Pump makers	9	306	1 61	492 66	10

ROOFING (IRON, STEEL AND TIN) — 3 ESTABLISHMENTS.

Roofers	15	279	\$2 20	\$613 80	9.8
Roofers' helpers	2	265	1 75	463 75	9
Teamsters	2	300	2 00	600 00	12
Tinners	8	265	2 25	596 25	9

RUBBER GOODS — 3 ESTABLISHMENTS.

Carpenters	9	283	\$2 33	\$659 39	9.5
Engineers	2	294	2 50	735 00	12
Laborers	272	294	1 35	396 90	10
Machinists	22	291	2 32	675 12	10
Stocking maker	1	300	2 50	750 00	8

RUGS AND CARPET CLEANING — 2 ESTABLISHMENTS.

Carpet cleaners	7	292	\$1 75	\$511 00	10
Carpet layers and helpers	15	297	2 17	644 49	9.3
Drivers	4	292	2 00	584 00	10
Engineer	1	292	2 50	730 00	10
Rug weavers	14	294	1 50	441 00	9.7

SALT — 2 ESTABLISHMENTS.

Carpenters	3	265	\$2 17	\$575 05	10
Engineers	4	265	2 50	662 50	12
Engineers' assistant	1	265	2 25	596 25	12
Engineers' helpers	17	265	2 03	537 95	11
Firemen	14	265	2 01	532 65	12
Laborers	145	265	1 50	397 50	10
Pipe fitters	5	265	1 87	495 55	10
Sack makers	2	265	2 10	556 50	9
Salt packers	52	250	1 50	375 00	10
Shippers	2	265	2 00	530 00	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
SASH, DOORS, LUMBER AND INTERIOR FINISH — 18 ESTABLISHMENTS.

Occupation — Male,	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bench hands	8	306	\$2 18	\$667 08	10
Cabinet makers	22	297	2 91	864 27	10
Carpenters	67	300	2 56	768 00	8.3
Engineers	5	304	2 55	775 20	9.8
Filers	2	300	5 00	1,500 00	10
Firemen	2	300	1 75	525 00	10
Floor layers	20	300	2 00	600 00	8
Foremen	5	301	3 55	1,068 55	10
Glazers	21	290	1 20	348 00	9
Glass department hands	23	290	1 85	536 00	9
Helpers'	2	300	1 75	525 00	10
Laborers	261	295	1 71	504 45	10
Lumber hands	60	300	1 75	525 00	9.8
Machine hands	48	299	2 34	699 66	9.8
Machine helpers	3	312	1 65	514 80	10
Mill hands	121	294	1 89	555 66	9
Pilers	2	312	1 75	546 00	10
Planing mill men	10	310	2 25	697 50	10
Prism department hands	14	290	1 50	435 00	9
Sawyers	2	300	3 77	1,131 00	10
Teamsters	54	305	1 81	552 05	10
Transfers	6	290	1 83	530 70	9
Watchmen	2	312	1 65	514 80	10
Wood turners	3	270	2 00	540 00	9
Wood workers	15	300	2 00	600 00	10
Yardmen	45	309	1 57	585 13	10

SLAUGHTERING AND MEAT PACKING—8 ESTABLISHMENTS.

Apprentice	1	300	\$1 00	\$300 00	10
Butchers	177	306	2 37	725 22	10
Carpenters	10	312	2 25	702 00	10
Cooper	1	263	1 75	460 25	.....
Curers	2	263	2 00	526 00	.....
Engineers	18	306	2 26	691 56	10
Firemen	3	278	1 67	464 26	9.5
Laborers	376	312	1 50	468 00	9
Sausage makers	7	300	2 00	600 00	10
Teamsters	20	293	1 75	512 75	9.6
Watchman	1	263	1 67	439 21	.....

SOAP, CANDLES AND TALLOW—6 ESTABLISHMENTS.

Bleach maker	1	220	\$2 00	\$440 00	10
Bone cookers	3	306	2 00	612 00	10
Engineers	2	308	2 30	708 40	10
Hostler	1	310	2 00	620 00	10
Laborers	6	303	1 57	475 71	10
Rendering department hands	3	310	1 50	465 00	10
Soap boilers	10	285	1 93	550 05	9
Soap department hands	4	310	1 50	465 00	10
Soap makers' helpers	1	220	1 50	330 00	10
Teamsters	9	310	2 00	620 00	10
Watchmen	2	310	1 50	465 00	14

SODA AND MINERAL WATERS—7 ESTABLISHMENTS.

Bottlers	12	318	\$2 00	\$636 00	8.3
Bottle washers	4	301	1 00	301 00	10
Bottle washers (boys)	2	300	70	210 00	7
Drivers	24	306	1 92	587 52	8.6
Helper	1	180	1 50	270 00	6
Hostlers	3	297	1 22	362 34	10
Labeller	1	313	1 25	391 25	10
Laborers and helpers	5	365	1 60	584 00	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
STENCILS, STAMPS AND SEALS—5 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engraver	1	312	\$2 00	\$624 00	9
Laborer	2	312	1 25	390 00	9
Mechanic	1	306			
Punch—press hand	1	309	2 25	695 25	9
Stamp makers	4	305	2 87	875 35	9
Steel cutter	1	312	2 50	780 00	9
Stencil cutter	1	312	2 50	780 00	9
Stencil makers	2	307	2 50	767 50	9.5

STEEL, IRON AND TIN—8 ESTABLISHMENTS.

Annealers	16	264	\$1 85	\$488 40	10
Annealers and cleaners.....	304	310	1 63	505 30	11
Ash wheelers	2	268	1 75	469 00	10
Assorters	4	327	73	268 71	10
Barb fence workers	125	310	1 82	564 20	10
Billet men	2	300	2 50	750 00	11.5
Blacksmiths	7	286	2 63	752 18	10
Blacksmiths' helpers	4	278	1 75	486 50	10
Blast furnace hands.....	480	310	2 00	620 00	12
Bloom men	105	310	2 37	734 70	12
Bottom fillers	24	314	1 93	606 02	10
Brakemen	3	314	2 09	656 26	10
Bricklayer	1	300	3 50	1,050 00	10
Car inspector	1	314	2 50	785 00	10
Carpenters	4	285	2 63	749 55	10
Catchers	24	255	3 21	818 55	8.3
Chemists	8	314	3 19	1,001 66	...
Cinder man	16	314	1 93	606 02	12
Coal wheelers	3	270	1 50	405 00	10
Cold rollers	30	264	1 50	396 00	10
Conductors	2	314	2 58	810 12	10
Copperas hands	7	310	1 96	607 60	11
Constructors and improvers	258	310	1 91	592 10	11
Converting hands	170	310	2 10	651 00	12
Crane man	1	264	1 60	422 40	10
Door men	2	268	1 45	388 60	10
Doublers	20	247	7 25	1,790 75	8
Dragouts	2	300	2 50	750 00	10
Draughtsmen	21	310	2 97	920 70	9
Electricians	27	309	2 32	716 88	11.5
Engineers	22	281	2 38	668 78	11.3
Engineers' assistants	5	308	1 97	606 76	12
Fillers' helpers	17	314	1 82	571 48	12
Finishers	2	300	2 00	600 00	10
Firemen	14	280	1 90	532 00	10
Firemen and water tenders.....	8	270	1 85	499 50	12
Foreman	8	280	2 90	812 00	10
Galvanizers	194	310	1 90	589 00	12
Gas makers	4	268	1 87	501 16	10
Gas pokers	5	270	1 80	486 00	12
Heaters	36	260	7 07	1,838 20	9
Heaters' helpers	14	279	3 64	1,015 56	10
Helpers	74	276	2 41	665 16	11.4
Hooks	4	300	2 10	630 00	10
Iron carriers	16	314	2 25	706 50	12
Keepers	2	314	2 25	706 50	12
Laborers	1,273	298	1 69	503 62	10
Laboratory hands	11	310	2 80	868 00	10
Levelers	4	268	1 65	442 20	10
Machinists	9	272	2 33	633 76	10
Markers	8	268	2 00	536 00	10
Mason	1	270	3 00	810 00	10
Millwright	1	300	2 50	750 00	10
Nail and staple makers	390	310	1 53	474 30	11
Oilers	2	268	1 75	469 00	10
O. K. machine hands.....	5	348	1 40	487 20	10
Openers	12	247	1 65	407 55	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
STEEL, IRON AND TIN — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Open heart hands	17	310	2 36	731 60	12
Picklers	16	264	1 70	448 80	10
Puddlers	16	300	4 00	1,200 00	10
Puddlers and helpers	80	270	10 00	2,700 00	10
Risers	23	264	2 40	633 60	12
Rod mill hands	397	310	2 00	620 00	11.5
Rollers	34	254	11 59	2,943 86	8.8
Roll hands	63	270	3 50	945 00	10
Rollers' helper	1	300	5 00	1,500 00	10
Roll turners	5	271	3 62	981 02	10
Roughers	23	283	4 70	1,330 10	10
Run down	4	300	2 75	825 00	10
Scrappers	2	314	1 77	555 78	12
Screw boys	20	247	1 20	396 40	8
Screw men	2	268	5 00	1,340 00	10
Shipping clerks	25	268	1 60	428 80	10
Shear boys	6	247	1 37	338 39	8
Shearmen	64	267	2 06	550 02	9.8
Sheet-mill men	15	268	3 50	938 00	10
Steam and gas producers	242	310	1 94	601 40	12
Stockers	10	268	1 85	495 80	10
Straighteners	6	300	2 25	675 00	10
Straighteners and cutters	67	310	1 62	502 20	10.5
Stranders	12	300	4 00	1,200 00	10
Telegraphers	10	270	3 50	945 00	10
Tenders	6	314	1 93	606 02	12
Tinners	81	297	233	692 01	11.3
Tongsmen	4	268	3 60	964 80	10
Top fillers	6	314	2 15	675 00	8
Trackmen	4	314	1 77	555 78	10
Transfermen	4	268	2 30	616 40	10
Water tenders	6	294	2 08	611 52	11.3
Watchman	1	270	1 75	472 50	12
Weighers	2	314	1 93	606 02	12
Wire drawers	844	310	2 12	657 20	11
Yard hands	756	310	1 94	601 40	11

STONE (CUT, SAWED AND ARTIFICIAL) — 6 ESTABLISHMENTS.

Blacksmith	1	226	\$2 00	\$452 00	10
Blacksmith's helper	1	226	1 50	339 00	10
Carpenters	11	248	3 32	823 36	10
Carvers	17	306	1 47	449 82	8
Derrick men	9	275	2 08	572 00	10
Drillers	6	275	2 08	572 00	10
Engineers	5	285	2 10	598 50	11.6
Firemen	2	226	1 75	395 50	10
Laborers	40	275	1 50	412 50	10
Mill and factory hands	283	223	1 92	428 16	10
Quarrymen	1,210	235	1 74	408 90	10
Sawyers	4	300	2 50	750 00	12
Scabblers	2	226	1 90	429 40	10
Strippers	23	226	1 50	339 00	10
Stucco workers	3	306	2 80	856 80	8
Teamsters	4	300	1 50	450 00	10
Turners	2	226	1 75	395 50	10

STOVES, RANGES AND FURNACES — 14 ESTABLISHMENTS.

Blacksmiths	9	277	\$2 02	\$559 54	9
Buffers	7	290	3 00	870 00	9
Burners' department hands	25	298	1 60	476 80	10
Carpenter	1	295	2 25	663 75	10
Closet makers	2	300	1 85	555 00	10
Craters	29	292	1 42	414 64	9.3
Drill-press hand	1	175	2 00	350 00	.93

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
STOVES, RANGES AND FURNACES—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engineers	2	193	\$2 13	\$411 09	9.5
Erection	1	175	2 50	437 50	10
Fitters and filers	45	300	1 50	450 00	10
Foundrymen	35	298	2 04	607 92	10
Furnace setters	4	312	1 61	502 32	8.5
Gasoline stove mounters	45	298	1 60	476 80	10
Gas room hands	23	298	1 80	536 40	8
Helpers	23	245	1 31	320 95	9.2
Japanners	41	298	1 56	464 88	10
Laborers	72	277	1 27	351 79	10
Machinists	184	292	1 58	461 36	9.6
Machine hands	45	298	1 85	551 30	10
Machinists and toolmakers	10	295	3 00	885 00	9
Mechanics	10	307	2 16	663 12	9
Molders	81	260	2 68	696 80	10
Molders and range workers	166	2 75	1 68	462 00	10
Mounters	235	294	1 71	502 74	9.7
Ornameters	3	290	2 50	725 00	9
Packers	6	256	1 55	396 80	9.5
Packers and coaters	15	300	1 65	495 00	10
Painter	1	300	2 20	660 00	10
Pattern maker	1	300	2 00	600 00	10
Platers	59	287	2 42	694 54	9
Polishers	23	275	2 29	636 62	10
Pressmen	55	296	1 82	538 72	9.7
Range builders	35	254	1 73	439 42	9.5
Receiving department hands	7	298	1 60	478 80	10
Sheetiron workers	2	305	2 00	610 00	10
Shippers	11	290	1 68	487 20	10
Teamster	1	312	1 58	492 96	8.5
Tinners	221	296	1 77	425 92	9.7
Watchmen	8	252	1 75	441 00	11.3
Warehousemen and shippers	10	250	2 60	650 00	10
Wood patternmakers	7	284	2 24	636 16	10

STRAWBOARDS AND PAPER—2 ESTABLISHMENTS.

Backtenders	4	295	\$1 25	\$368 75	11
Beatermen	7	295	1 35	398 25	11
Box tillers	2	295	1 30	388 50	11
Coal passer	1	295	1 50	442 50	11
Cutter boys	7	295	85	250 70	11
Engineers	2	295	3 00	885 00	11
Finishers	2	295	1 75	516 25	11
Firemen	2	295	1 60	472 00	11
Laborers	11	230	1 62	372 60	10
Machine tenders	5	295	2 25	668 75	11
Millwright	1	295	2 00	590 00	11
Oilers	2	295	1 40	413 00	11
Rag cutters	2	295	1 30	388 50	11
Rag engineers	2	295	1 70	501 50	11
Teamsters	2	295	1 50	442 50	11
Tillermen	4	295	1 30	388 50	11
Washermen	2	295	1 50	442 50	11

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—14 ESTABLISHMENTS.

Apprentices	8	365	\$9 91	\$332 15	9
Artist	1	240	6 67	1,600 80	10
Blacksmiths	2	306	2 85	872 10	10
Buffer	1	290	2 00	580 00	10
Can makers	70	60	1 30	78 00	10
Coater	1	240	1 50	360 00	10
Die makers	5	290	2 75	797 50	10
Enamelers	20	283	1 50	424 50	10
Engineers	5	278	2 07	575 46	10

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
TINWARE, SHEET IRON AND GALVANIZED IRONWARE—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Feeder	1	240	\$2 00	\$480 00	10
Foremen	8	240	3 20	768 00	10
Galvanizers	6	400	2 25	900 00	9
Helpers	20	281	1 46	410 26	9.3
Jacket can maker	1	240	1 50	360 00	10
Jacket maker	1	240	1 00	240 00	10
Keg body folder	1	240	1 25	300 00	10
Keg groover	1	240	1 50	360 00	10
Keg loader	1	240	1 67	400 80	10
Keg makers	2	240	1 87	448 80	10
Laborers	120	193	1 55	454 15	10
Machinists	23	299	2 67	798 32	10
Painters	4	240	2 25	540 00	10
Platers	2	290	3 25	942 50	10
Press-hands	44	282	1 61	454 02	10
Press hands' helpers	20	306	1 00	306 00	10
Printer	1	240	3 00	720 00	10
Shearman	4	240	1 38	331 20	10
Shippers	2	240	2 25	540 00	10
Shop boys	3	290	50	145 00	10
Slate roofers	5	306	2 43	743 58	9
Solderers	18	240	1 60	384 00	10
Square shear makers	1	240	1 75	420 00	10
Stone polisher	1	240	1 25	300 00	10
Teamster	1	400	2 00	800 00	9
Testers	2	240	1 75	420 00	10
Tinners	51	291	2 23	648 93	9
Watchman	1	240	1 50	360 00	10

TOOLS—10 ESTABLISHMENTS.

Apprentices	2	277	1 15	318 55	10
Blacksmiths	2	287	3 00	861 00	10
Carpenter	1	297	2 50	742 50	10
Draughtsman	1	277	4 25	1,177 25	10
Engineers	2	300	2 75	825 00	10
File cutters	8	265	1 50	397 50	10
Fire grinders	2	265	2 00	530 00	10
Finishers	50	282	2 20	620 40	10
Forgers and temperers	3	300	3 50	1,005 00	10
Grinders	6	300	2 75	825 00	10
Helpers	19	292	1 69	493 48	10
Laborers	37	295	1 34	395 30	10
Machinists	144	286	2 32	663 52	10
Machine hands	38	297	1 50	445 50	10
Millers	15	282	1 80	507 60	10
Operators	30	282	1 45	408 90	10
Pattern makers	4	297	2 50	742 50	10
Polisher	1	300	2 50	750 00	10
Saw makers	10	300	2 50	750 00	10
Tool makers	300	300	1 75	525 00	10
Turners	20	282	2 00	564 00	10

TRUNKS AND VALISES—5 ESTABLISHMENTS.

Bag and case makers	54	305	\$1 75	\$533 75	10
Box makers	14	305	1 75	533 75	10
Leather workers	14	300	1 70	510 00	10
Trunk makers	46	305	1 84	561 20	10

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Cutter	1	300	\$1 00	\$300 00	10
Errand boy	1	300	1 00	300 00	10
Frame makers	3	300	1 00	300 00	10
Handle mounters	2	300	1 00	300 00	10
Rib makers	2	300	1 00	300 00	10
Umbrella maker	1	300	1 75	525 00	9

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.

WIRE RODS, WIRE CLOTH AND WIRE GOODS—6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	8	300	\$2 75	\$825 00	9.5
Carpenters	12	300	2 75	825 00	9.5
Engineer	1	300	3 00	900 00	10
Fireman	1	300	1 50	450 00	10
Foreman	1	308	3 00	924 00	10
Iron workers	4	300	2 00	600 00	10
Japanners	4	300	1 67	501 00	10
Laborers	121	301	1 66	499 66	9.5
Machinists	39	301	1 83	550 83	9.6
Metal workers	6	300	2 25	675 00	10
Mill hands	31	286	1 70	486 20	10
Moulders	40	300	3 00	900 00	9.5
Pattern makers	10	300	3 25	975 00	9.5
Shippers and packers.....	4	300	1 75	525 00	10
Spring bed makers	17	286	85	243 10	10
Spring turners and helpers	125	300	1 67	501 00	10
Teamsters	5	291	1 41	410 31	10
Watchman	1	300	1 48	444 00	12
Wire weavers	176	300	2 75	825 00	10
Wire workers	250	300	2 75	825 00	10
W. W. mattress makers.....	13	286	1 00	286 00	10

MISCELLANEOUS — 48 ESTABLISHMENTS.

Apprentices	6	292	\$0 92	\$268 64	10
Assemblers	3	300	1 50	450 00	10
Bailer	1	282	1 25	352 50	10
Bale tie makers	19	312	80	249 60	8
Basket makers	6	300	1 90	570 00	10
Basket makers (boys).....	6	300	75	225 00	10
Bed makers	17	306	1 50	459 00	10
Bench hand	1	300	1 75	525 00	10
Bevelers	5	300	1 47	441 00	10
Blacksmiths	5	255	2 45	624 75	10
Blacksmiths' helpers	5	255	1 66	423 30	10
Boiler	1	230	2 25	517 50	8
Bolt makers	4	305	2 31	704 55	10
Brush hand	1	274	1 25	342 50	10
Buffer	1	306	2 75	841 50	10
Burglar safe builder	1	305	2 21	674 05	10
Burglar safe builders' helpers.....	3	305	1 70	518 50	10
Burglar vault builders.....	4	305	2 45	747 25	10
Burglar vault builders' helpers.....	3	305	1 55	472 75	10
Burner	1	305	1 50	457 50	10
Burnishers and buffers	12	290	1 75	507 50	10
Cabinet makers	282	282	2 05	578 10	10
Cane makers	4	132	1 00	132 00	10
Car builders	28	181	2 40	434 40	10
Carpenter	1	200	2 50	500 00	10
Casket makers	35	290	2 10	609 00	10
Casters	6	290	2 00	580 00	10
Color mixers	3	200	2 50	500 00	10
Color mixers' helpers	3	200	1 25	250 00	10
Coopers	5	324	1 61	521 64	10
Constructors	2	300	3 00	900 00	8
Constructor's helper	1	300	1 50	450 00	8
Compounder	1	310	4 75	1,472 50	9
Compounder's assistant	1	310	2 50	775 00	9
Painters	10	262	1 91	500 42	8.6
Plumbers and machinists.....	2	290	2 75	797 50	10
Drill press hands	2	181	1 60	289 60	10
Electricians	2	181	2 40	434 40	10
Engineers	12	257	2 44	627 08	10
Errand boys	2	303	55	166 65	9.5
Feather renovator	1	282	2 00	564 00	10
Fillers	2	282	2 00	564 00	10
Finishers	145	283	1 99	563 17	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
MISCELLANEOUS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Firemen	4	286	\$1 94	\$554 84	10
Foreman	1	365	1 80	657 00	10
Furnace men	2	170	2 00	340 00	10
Glaziers	4	300	2 06	618 00	10
Grinders	1	306	2 50	765 00	8
Helpers	17	298	1 49	444 02	10
Laborers	592	288	1 28	368 64	10
Laborers (boys)	4	300	.75	225 00	10
Laborers and rag sorters	50	306	1 60	489 60	10
Lock fitters	2	305	2 12	646 60	10
Machinists	36	297	2 54	754 38	9.7
Machine hands	185	286	1 97	563 42	10
Machinists' helpers	3	305	1 40	427 00	10
Malsters	6	300	2 00	600 00	9
Mechanics	12	258	2 38	614 04	9.7
Millers	3	350	2 33	815 50	10
Mill men	12	181	2 53	457 93	10
Miners	8	207	2 10	434 70	8
Packers	2	311	1 25	388 75	10
Painters	25	282	1 91	538 62	10
Painters' helpers	7	305	1 63	497 15	10
Pipe coverers	3	318	2 25	715 50	10
Platers	3	295	2 28	672 60	10
Platers' helpers	4	305	1 50	457 50	10
Polishers	20	263	2 25	591 75	10
Porter	1	300	.85	255 00	9
Printers	9	274	2 03	556 22	10
Printers' helpers	5	200	.75	150 00	10
Roller makers	4	296	2 25	666 00	9
Safe and vault builders	16	305	1 86	567 30	10
Silverer	1	300	2 25	675 00	10
Shipper	1	306	1 75	535 50	10
Spinner	1	300	2 00	600 00	10
Spring makers	2	300	1 00	300 00	10
Stillmen	5	333	1 98	659 34	12
Storekeeper	1	181	1 60	289 60	10
Straighteners	3	305	2 25	686 25	10
Tarred felt makers	2	312	1 58	492 96	10
Teamsters	4	295	1 78	525 10	9.8
Tinners	10	274	2 25	616 50	10
Trimmers	8	290	1 75	507 50	10
Unskilled laborers	25	290	1 35	391 50	10
Watchmen	7	285	1 83	521 55	11
Weaver	1	300	2 00	600 00	10
Winders	2	200	1 00	200 00	10
Woodworkers	8	263	2 25	591 75	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
AWNINGS, TENTS AND FLAGS — 5 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Awning cutters	2	308	\$1 50	\$462 00	9
Awning makers	2	300	1 00	300 00	10
Awning sewers	65	304	1 13	343 52	9
Sail makers	2	280	1 50	420 00	10

BAGS (PAPER AND BURLAP) — 4 ESTABLISHMENTS.

Bag maker	1	250	85	212 50	10
Catchers	20	325	67	217 75	10
Counters	2	300	67	201 00	10
Inspectors	9	298	82	244 36	10
Day workers	62	300	67	201 00	10
Machine tender	1	284	1 00	284 00	10
Press feeders	52	310	77	238 70	10
Press tenders	11	300	53	174 00	10
Sewers	22	300	1 00	300 00	10
Snatchers	9	300	67	201 00	10
Turners	18	300	75	225 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES — 1 ESTABLISHMENT.

Inspectors	25	305	\$0 80	\$244 00	10
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BILLIARD TABLES, BAR AND STORE FIXTURES — 1 ESTABLISHMENT.

Varnisher	1	300	\$0 75	\$225 00	5
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BOOTS AND SHOES — 4 ESTABLISHMENTS.

Cutters	9	300	\$1 06	\$318 00	10
Fitters (day)	68	279	60	167 40	9.6
Fitters (piece)	91	300	1 11	333 00	10
Machine hand	1	290	1 33	385 70	9
Shoemaker	1	300	90	270 00	8
Trimmers	25	300	83	249 00	10

BOXES (PAPER) — 5 ESTABLISHMENTS.

Box makers	53	304	\$0 79	\$240 16	9.3
Factory hands	69	300	84	252 00	8.8
Helpers	40	300	70	210 00	9
Machine operators	70	300	1 25	375 00	9

BOXES (WOODEN) — 5 ESTABLISHMENTS.

Box makers	16	300	\$80 00	\$240 00	8
Lunch room hand	1	303	93	281 79	5
Paperer	1	288	1 00	288 00	9
Pasters	5	303	87	263 61	8
Trimmers	15	306	1 00	306 00	9

BREAD AND OTHER BAKERY PRODUCTS — 3 ESTABLISHMENTS.

Helpers	71	311	\$0 70	\$217 70	10
Packers	42	240	55	132 00	10
Shipper	1	313	-1 00	313 00	10

BROOMS AND BRUSHES — 3 ESTABLISHMENTS.

Brush makers	20	293	\$0 73	\$213 89	9
Draw hands	4	300	1 00	300 00	8
Helpers	12	292	61	178 12	9

TABLE IVa—MANUFACTURES—CLEVELAND—Continued.
CIGARS—37 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bunchers	42	253	\$1 25	\$316 25	8
Cigar makers	139	280	1 18	330 40	8.8
Laborers	4	300	75	225 00	9
Packers	36	274	1 12	306 88	8.2
Rollers	80	250	1 40	350 00	8
Stemmers	22	300	75	225 00	9
Strippers	47	290	81	234 90	8.2

CLOTHING—47 ESTABLISHMENTS.

Buttonhole makers	9	305	\$1 01	\$308 05	8.7
Cloak makers	50	300	1 25	375 00	9
Coat makers	4	307	1 37	420 59	10
Cutters	171	300	95	285 00	9.3
Finishers	196	304	89	270 56	9.2
Folders and boxers	7	300	75	225 00	.....
Foreladies	4	301	1 35	406 35	9
Helpers	5	305	1 00	305 00	9
Inspectors	14	299	1 39	415 61	9.2
Laborer	1	300	75	225 00	8.5
Laundresses	7	300	1 12	336 00	.....
Operators	864	299	1 11	331 89	9
Pant makers	13	293	98	287 14	9.2
Sewers	204	301	1 04	313 04	9.3
Shirt makers	33	307	1 00	307 00	9.3
Shirt makers	44	315	1 64	516 60	9.2
Stitchers	7	300	1 35	405 00	8
Tailoresses	246	301	1 35	406 35	9.4
Trimmers	8	280	1 50	420 00	9.5
Vest makers	5	302	1 40	422 80	10
Waist makers	250	300	1 25	375 00	9
Wrapper makers	25	280	1 00	280 00	9

COFFEE, BAKING POWDER AND SPICES—1 ESTABLISHMENT.

Packers	4	307	\$1 10	\$337 70	9
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CONFECTIONERY—4 ESTABLISHMENTS.

Bon-bon dippers	4	305	\$0 65	\$198 25	10
Box makers	33	246	1 50	369 00	9.5
Candy makers	6	250	70	175 00	9
Chocolate dippers	7	305	1 05	320 25	10
Cleaners	2	305	1 25	381 25	10
Gum makers	28	246	92	226 32	9.5
Laborers	11	246	1 00	246 00	9.5
Packers	14	305	95	289 75	10
Wrappers	145	250	81	202 50	9.5

COPPER AND BRASS GOODS—1 ESTABLISHMENT.

Feeders	6	300	\$1 00	\$300 00	10
Packers	6	300	1 00	300 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—9 ESTABLISHMENTS.

Combers	16	295	\$0 70	\$206 50	10
Dressers	27	295	60	177 00	10
Finishers	48	300	99	297 00	8.8
Knitters	249	301	74	222 74	9
Loom fixers	3	295	1 13	333 35	10
Menders	52	295	72	212 40	10
Pickers	71	295	52	153 40	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Sewers	25	300	\$1 25	\$375 00	10
Sorters	41	342	93	318 06	9.7
Speckers	15	295	84	247 80	10
Spinners	131	296	53	156 88	10
Trimmers	25	300	1 50	450 00	10
Twisters	5	295	90	265 50	10
Weavers	261	297	95	282 15	10
Wett hands	7	295	45	132 75	10
Winders	40	300	75	225 00	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 2 ESTABLISHMENTS.

Laborers	4	288	\$0 75	\$216 00	10
Limb maker	1	308	1 00	308 00	9

ELECTRICAL GOODS AND SUPPLIES — 7 ESTABLISHMENTS.

Cappers and solderers	3	205	\$1 00	\$205 00	10
Carbon inspectors	3	205	1 00	205 00	10
Carbon makers	20	250	90	225 00	10
Chemical exhausters	7	205	1 75	358 75	10
Electrical workers	2	298	1 10	327 80	9
Finishers	30	122	75	91 51	10
Final inspectors	2	205	1 25	256 25	10
Foreladies	7	122	1 20	146 40	10
Fusers	4	205	75	153 75	10
Labellers	6	205	85	174 25	10
Lacquers	2	275	2 50	687 50	9
Lamp makers	73	122	1 20	146 40	10
Mounters	23	205	1 25	256 25	10
Painter	1	205	85	174 25	10
Photometers	5	122	1 00	122 00	10
Pumpers	11	122	93	113 46	10
Sorters	4	205	1 10	225 50	10
Stem makers	6	205	1 50	307 50	10
Tubelators	3	205	1 35	276 75	10
Washers	12	205	75	153 75	10
Winders	16	307	80	245 60	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 4 ESTABLISHMENTS.

Bottlers	4	300	\$0 75	\$225 00	10
Compounder	1	300	1 00	300 00	10
Factory hands	18	306	75	229 50	9.3
Labellers	4	300	50	150 00	10
Packers	2	300	1 00	300 00	10

FLOURING MILL PRODUCTS — 1 ESTABLISHMENT.

Laborers	10	312	\$0 90	\$280 80	10
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FOUNDRY AND MACHINE SHOP PRODUCTS — 9 ESTABLISHMENTS.

Assorters	85	306	\$0 50	\$153 00	10
Ball makers	2	300	1 00	300 00	10
Core makers	21	296	1 00	296 00	9
Cutters	20	307	91	279 37	.....
Laborers	24	298	71	211 58	10
Machine tenders	37	288	74	213 12	10
Nutters	31	307	81	248 67	.....
Packers	38	301	68	204 68	9.6
Piece workers	48	286	68	194 48	10
Pointers	18	307	92	282 44	.....
Shop hands	9	302	1 00	302 00	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
FURNITURE — 2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Sewer	1	300	\$1 00	\$300 00	9
Upholsterers	2	297	85	252 45	9

GUNPOWDER AND OTHER EXPLOSIVES — 1 ESTABLISHMENT.

Machine hands	30	300	\$0 80	\$240 00	8
Rollers	13	300	80	240 00	8

HARDWARE — 3 ESTABLISHMENTS.

Box makers	17	294	\$1 10	\$323 40	8
Hardware department hands	25	250	90	225 00	10
Packers	92	294	99	291 06	8

HARNESS AND SADDLERY — 2 ESTABLISHMENTS.

Machine operators	4	227	\$1 13	\$256 51	8.5
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HATS, CAPS AND FURNISHINGS — 8 ESTABLISHMENTS.

Cap makers	20	300	\$1 00	\$300 00	8
Forewoman	1	275	1 66	406 50	9
Hand workers	9	275	1 00	275 00	9
Helpers	6	283	75	212 25	9.2
Lining makers	4	300	87	261 00	9.5
Machine hands	123	317	1 47	465 99	9
Suspender makers	5	300	1 00	300 00	9
Trimmers	141	319	1 00	319 00	9

INKS — 1 ESTABLISHMENT.

Paint department hands	2	275	\$0 90	\$247 50	9
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LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 2 ESTABLISHMENTS.

Helpers	3	300	\$0 75	\$225 00	9
Transferer	1	309	1 65	518 85	9

MACHINERY — 2 ESTABLISHMENTS.

Bench hands	1	305	\$0 83	\$253 15	9
Ornameters	4	304	1 25	380 00	10
Stock clerk	6	304	1 25	380 00	10

OIL AND GREASE — 1 ESTABLISHMENT.

Candle decorators	6	290	\$1 15	\$333 50	9
Candle packers	18	290	1 10	319 00	9
Candle self-fitters	6	290	1 10	319 00	9
Candle wick sewers and spoolers	3	290	1 00	290 00	9
Curton makers	4	290	1 10	319 00	9
Overseers	4	290	90	261 00	9
Printers	6	290	85	246 50	9

PAINTS AND VARNISHES — 6 ESTABLISHMENTS.

Assemblers	2	295	\$0 75	\$221 25	9.7
Binders	15	286	65	185 90	9.5
Cooks	4	286	1 00	286 00	10
Feeder	1	286	76	217 36	9.5
Labellers	30	290	1 17	339 37	8.7
Laundresses	3	286	1 25	357 50	8
Packers	2	299	1 17	349 83	10
Paster	1	300	1 08	324 00	9
Samplers	28	287	64	183 68	9.5
Solderers	4	286	2 05	586 30	10

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.
PATTERNS AND MODELS—1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Finishers	3	304	\$1 28	\$389 12	8

PIANOS AND OTHER MUSICAL INSTRUMENTS—1 ESTABLISHMENT.

Valve maker	1	300	\$1 25	\$375 00	10
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PLUMBING, STEAM AND GAS FITTING SUPPLIES—1 ESTABLISHMENT.

Laborers	10	312	\$1 00	\$312 00	9
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PRINTING AND BINDING—37 ESTABLISHMENTS.

Binders	165	298	\$0 88	\$262 24	9
Compositors	16	292	89	259 88	8.8
Folders	30	296	82	244 32	8.9
Helpers	8	300	75	225 00	9
Machine operators	7	288	97	279 36	9
Press feeders	24	280	92	257 60	9.2
Press hands	2	304	1 25	480 00	9
Proof readers	3	307	1 92	589 44	9.2
Saleslady	1	306	1 04	318 24	8
Sewers	50	307	1 30	399 10	9

RUBBER GOODS—4 ESTABLISHMENTS.

Blowers	2	233	\$1 25	\$436 15	10
Day workers	4	233	1 25	436 15	10
Hammerers	4	233	1 00	283 00	10
Helpers	112	294	89	261 66	9
Packer	1	233	1 00	233 00	10
Type maker	1	200	1 00	200 00	8

RUGS AND CARPET CLEANING—2 ESTABLISHMENTS.

Carpet sewers	9	297	\$0 90	\$268 30	9.8
Curtain cleaners	2	292	1 25	365 00	10
Cutters, sewers, etc.....	14	292	75	219 00	10

SALT—2 ESTABLISHMENTS.

Packers	62	258	\$1 05	\$270 40	10
Sack makers' helpers	20	265	1 10	291 50	10

SOAP, CANDLES AND TALLOW—1 ESTABLISHMENT.

Soap makers	2	313	\$0 75	\$234 75	9
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SODA AND MINERAL WATERS—1 ESTABLISHMENT.

Bottle washer	1	300	\$0 75	\$225 00	7
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STEEL, IRON AND TIN—2 ESTABLISHMENTS.

Bundlers and packers	42	310	\$0 72	\$223 20	10
Laborers	17	264	1 25	330 00	10
Nail and staple makers.....	3	310	78	241 80	10

TABLE IVa—MANUFACTURES—CLEVELAND—Concluded.
STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Fitters and filers	5	300	\$0 65	\$195 00	10
Ornamenter	8	290	1 25	362 50	9

STRAWBOARDS AND PAPER—2 ESTABLISHMENTS.

Laborers	25	150	\$1 50	\$225 00	8
Rag sorters	16	295	55	162 25	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—2 ESTABLISHMENTS.

Enamellers	12	283	\$1 00	\$283 00	10
Setters, trimmers, etc.....	6	400	90	360 00	9

TOOLS—1 ESTABLISHMENT.

Tool makers	100	300	\$0 75	\$225 00	10
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TRUNKS AND VALISES—2 ESTABLISHMENTS.

Bag and case makers	22	305	\$0 75	\$228 75	10
Leather workers	14	300	80	240 00	10

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Case makers	3	300	\$0 75	\$225 00	10
Cover makers	16	300	75	225 00	10
Examiners	2	300	75	225 00	10
Hemmers	2	300	75	225 00	10
Repair girls	2	300	75	225 00	10
Seamers	3	300	75	225 00	10
Tie girls	2	300	75	225 00	10
Umbrella makers	3	300	90	270 00	9

WIRE RODS, WIRE CLOTH AND WIRE GOODS—4 ESTABLISHMENTS.

Laborers	7	308	\$1 50	\$462 00	10
Seamstresses	12	300	1 37	411 00	8
Spring bed makers	12	286	75	214 50	10
Spring turners and helpers	12	300	87	261 00	10
Weavers	3	286	1 25	357 50	10

MISCELLANEOUS—14 ESTABLISHMENTS.

Bottlers	4	305	\$0 75	\$228 75	9
Burnishers and buffers	4	290	1 75	507 50	10
Brush hand	1	274	75	255 00	8
Cane makers	20	132	60	79 20	10
Cutter	1	282	1 00	282 00	10
Drillers	7	260	75	195 00	8
Finishers	8	282	1 25	352 50	10
Laborers	16	305	1 09	332 45	9
Laborers and rag sorters.....	22	306	70	214 20	10
Macaroni makers	15	290	75	217 50	10
Machine turners	6	260	1 00	260 00	8
Packers	2	230	70	161 00	6
Rollers	2	200	75	150 00	10
Seamstresses	17	266	72	191 52	8.6
Torpedo makers	8	132	75	99 00	10
Trimmers	9	290	1 00	290 00	10
Unskilled laborers	20	290	60	174 00	10

TABLE IV^{aa} — MANUFACTURES — CLEVELAND.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the year 1901.

Industries.	Occupation — Male.	Number of employes.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags.....	Awning finishers	4	10	.....
“ “	Awning hangers	25	10	.....
Bags (paper)	Machinists	2	10	.....
“ “	Apprentices	2	5	.....
“ “	Compositors	2	5	.....
“ “	Elevator boy	1	17	.....
“ “	Engineer	1	5	.....
“ “	Engravers and designers	2	.....	15
“ “	Engravers and designers' ass'ts	4	.....	43
“ “	Finishers	10	5	.....
“ “	Laborers	17	8.3	.....
“ “	Machine hands	3	10	.....
“ “	Machine tenders	8	5	.....
“ “	Packers	3	.....	10
“ “	Porter	1	5	.....
“ “	Pressmen	6	5	.....
“ “	Pressmen	9	.....	7
“ “	Repairer	1	.....	16
“ “	Stereotyper	1	5	.....
“ “	Teamsters	2	5	.....
“ “	Warehouse men	8	16	.....
“ “	Watchman	1	5	.....
Bicycles, bicycle sund's & automobiles	Blacksmiths	6	7.5	.....
“ “ “ “	Blacksmiths' helpers	9	7.5	.....
“ “ “ “	Carpenters	5	7.5	.....
“ “ “ “	Carriage builders	10	7.5	.....
“ “ “ “	Core makers	2	7.5	.....
“ “ “ “	Draughtsmen	2	7.5	.....
“ “ “ “	Electrical department hands	25	10	.....
“ “ “ “	Grinders	10	5	.....
“ “ “ “	Handy men	60	7.5	.....
“ “ “ “	Laborers	5	7.5	.....
“ “ “ “	Machinists	112	8	.....
“ “ “ “	Machine department hands	60	10	.....
“ “ “ “	Machine hands	53	12.5	.....
“ “ “ “	Moulders	4	7.5	.....
“ “ “ “	Packers	2	10	.....
“ “ “ “	Painters	20	7.5	.....
“ “ “ “	Pattern makers	3	7.5	.....
“ “ “ “	Polishers	12	5	.....
“ “ “ “	Tinners	10	7.5	.....
“ “ “ “	Tool makers	6	7.5	.....
“ “ “ “	Trimmers	8	7.5	.....
“ “ “ “	Welders	18	5	.....
Billiard tables, bar and store fixtures	Cabinet makers	31	10	.....
“ “ “ “	Engineer	1	10	.....
“ “ “ “	Finishers	12	10	.....
“ “ “ “	Glass workers	6	10	.....
“ “ “ “	Machine hands	16	10	.....
“ “ “ “	Metal workers	2	10	.....
“ “ “ “	Wood workers	16	10	.....
Boilers, engines and tanks.....	Boiler makers	115	9.5	.....
“ “ “ “	Helpers	25	5	.....
“ “ “ “	Laborers	30	5	.....
Boxes (wooden)	Box makers	14	5	.....
“ “ “ “	Filer	1	11.1	.....
“ “ “ “	Foreman	1	20	.....
“ “ “ “	Helpers	10	5	.....
“ “ “ “	Laborers	41	8.8	.....
“ “ “ “	Machine hands	14	6.7	.....
“ “ “ “	Nailers	8	11.9	.....
“ “ “ “	Teamsters	7	5	.....
Brooms and brushes.....	Assorters	5	10	.....
“ “ “ “	Broom makers	10	10	.....
Carriages and wagons.....	Blacksmiths	22	6	.....
“ “ “ “	Blacksmiths' helpers	18	11.5	.....
“ “ “ “	Painters	42	7.4	.....
“ “ “ “	Trimmers	11	6.8	.....
“ “ “ “	Wood workers	19	6	.....
Carriage and wagon materials.....	Blacksmiths	2	37.5	.....
“ “ “ “	Helpers	10	10	.....
“ “ “ “	Tinner	1	25	.....
Cigars	Bunch makers	35	18	.....

TABLE IVaa—MANUFACTURES—CLEVELAND—Continued.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the year 1901.

Industries.	Occupation—Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Cigars	Cigar makers	3	5	.....
Clothing	Bushelmen	3	8.7	.....
"	Coat makers	26	10	.....
"	Cutters	37	8.3	.....
"	Errand boys	2	10	.....
"	Operators	150	5	.....
"	Pressers	37	6.6	.....
"	Tailors	72	13.3	.....
"	Trowser makers	15	11.2	.....
"	Trowser makers	2	.....	10
"	Vest makers	8	12.2	.....
"	Waist makers	10	10	.....
Confectionery	Roaster	1	8	.....
Cooperage	Coopers	30	5.6	.....
"	Laborers (boys)	11	5	.....
"	Machine hands	10	5	.....
"	Piece workers	80	13	.....
"	Teamsters	8	5	.....
Copper and brass goods	Assemblers	7	10	.....
"	Buffers	9	6.4	.....
"	Chandelier fitters	6	5	.....
"	Core makers	7	14.3	.....
"	Electro plater	1	10	.....
"	Filer	1	5	.....
"	Foremen	2	10	.....
"	Helper	1	5	.....
"	Laquerer	1	5	.....
"	Lathe hands	5	5	.....
"	Machine hands	22	9	.....
"	Moulders	14	16.4	.....
"	Pattern maker	1	10	.....
"	Polishers	13	9	.....
"	Shipper	1	5	.....
"	Spinner	1	5	.....
"	Tool maker	1	10	.....
Drugs, chemicals and druggists' sunds	Cutters	5	10	.....
"	Engineer	1	5	.....
"	Instrument makers	4	10	.....
"	Laborers	6	3	.....
"	Machinists	2	10	.....
"	Plater	1	10	.....
"	Polishers	6	10	.....
"	Steel turners	3	10	.....
"	Tool makers	2	10	.....
Electrical goods and supplies	Engineer	1	10	.....
"	Hammermen	4	10	.....
"	Helpers	12	20	.....
"	Laborers (boys)	5	.....	20
"	Machinists	20	9	.....
"	Moulders	20	12.5	.....
"	Pattern maker	1	9	.....
"	Shipping clerk	1	10	.....
"	Winders	3	20	.....
Elevators and hoisting machinery	Carpenters	8	10	.....
"	Helpers	5	10	.....
"	Laborers	10	5	.....
"	Machinists	24	10	.....
"	Millwrights	8	10	.....
Extracts, toilet articles and perfumery	Compounder	1	20	.....
"	Laborers	10	18.5	.....
"	Teamster	1	10	.....
Flouring mill products	Warehouse men	2	11	.....
Foundry and machine shop products	Apprentices	11	7	.....
"	Assemblers	4	10	.....
"	Blacksmiths	30	8.3	.....
"	Blacksmiths' helpers	3	10	.....
"	Bolt headers	26	7	.....
"	Bolt shearer	1	7	.....
"	Bolt turners	6	7	.....
"	Carpenters	28	4.7	.....
"	Chemists	2	10	.....
"	Chippers	30	7	.....
"	Core makers	66	5.6	.....

TABLE IVaa — MANUFACTURES — CLEVELAND — Continued.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Foundry and machine shop products..	Cupola tenders	4	10	
"	Draughtsmen	3	8.5	
"	Engineers	7	8.4	
"	Finishers	35	2	
"	Fitters	4		7.5
"	Foremen	9	9.6	
"	Forge makers	450	15	
"	Furnace men	15	5.7	
"	Helpers	57	7	
"	Laborers	1,228	7	
"	Laborers (boys)	132	7	
"	Machinists	2		6
"	Machinists	212	8	
"	Machinists' helpers	9	13	
"	Machine operators	18	11.6	
"	Machinists and tool makers	6	10	
"	Masons	12	6.7	
"	Melters	7	2	
"	Millwright	1	8.5	
"	Moulders	3		3.5
"	Moulders	798	6.2	
"	Nut feeders	123	5	
"	Nut maker	1	11	
"	Packers	12	7	
"	Painters	2		10
"	Paperers	7	7	
"	Pattern makers	17	6.3	
"	Pipe makers	280	3	
"	Rivet makers and heaters	27	10	
"	Shipping room hands	32	10	
"	Tappers	25	7	
"	Watchmen	3	7.8	
"	Wrench hands	22	7	
"	Yard hands	30	2	
Furniture	Finishers	15	14.7	
"	Finishers' helpers	3	20	
"	Mechanics	8	15	
"	Upholsterers	54	10.6	
"	Upholsterers' helpers	6	20	
Hardware	Laborers	3	5	
"	Press hands	8	10	
Harness and saddlery	Boot makers	3	5	
"	Harness makers	14	7	
Hats, caps and furnishings	Cap makers	6	10	
"	Hatter	1	25	
Inks	Ink maker	1	12.5	
"	Ink maker's helpers	3	20	
Iron (structural and architectural)	Boiler makers	128	5	
"	Foundry men	60	5	
"	Iron workers	193	5.4	
"	Laborers	50	10	
"	Machinists	190	7.6	
"	Teamster	1	5	
Jewelry	Diamond setter	1	15	
"	Jewelers	2	10	
Leather and leather goods	Beam hands	4	20	
"	Laborers	10	10	
"	Tanners	16	2.5	
"	Teamster	1	9	
Lighting apparatuses	Assemblers	20	5	
"	Tool makers	10	5	
Lime, sand, cement and plaster	Electrician	1	10	
"	Engineers	3	10	
"	Laborers	133	10	
"	Plaster mixers	4	12	
Lithographing, engrav'g & electrotyp'g	Engravers and artists	14	2	
Machinery	Apprentices	29		5
"	Apprentices	36	11	
"	Bench hands	3	20	
"	Blacksmiths	3		10
"	Blacksmiths	44	4.2	
"	Blacksmiths' helpers	4	8	

TABLE IVaa — MANUFACTURES — CLEVELAND — Continued.

Table by Industries, Showing the Number in Each Occupation Affected by a Change in Wages for the year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Machinery	Boiler makers	37	10	.....
"	Bridge workers	87	1	.....
"	Carpenters	40	3	.....
"	Core makers	3	10	.....
"	Die makers	8	11	.....
"	Draughtsman	1	11	.....
"	Electrician	1	20	.....
"	Engineers	5	11.5	.....
"	Erectors	150	1	.....
"	Firemen	2	16.2	.....
"	Foremen	9	4.5	.....
"	Helpers	365	10	.....
"	Laborers	8	11.6	.....
"	Laborers (boys)	6	25	.....
"	Machinists	5	.....	10
"	Machinists	722	5.7	.....
"	Machinists' helpers	27	12	.....
"	Machine hands	37	6.4	.....
"	Moulders	43	10	.....
"	Painters	16	1	.....
"	Pattern makers	48	5.4	.....
"	Porters	3	.....	5
"	Punch hand	1	10	.....
"	Riveters	2	10	.....
"	Shipping clerk	1	20	.....
"	Timekeeper	1	20	.....
"	Tool makers	2	10	.....
"	Vise hands	21	5	.....
"	Watchman	1	12.5	.....
"	Yardmen	110	1	.....
Marble and granite	Cutters	11	4	.....
"	Planers and lathers	5	5	.....
"	Setters	8	20	.....
Mouldings and frames	Composition ornamenters	20	2	.....
"	Finishers	65	2	.....
"	Joiners	9	2	.....
"	Laborers	12	2	.....
"	Packers	7	2	.....
"	Wood workers and laborers	16	2	.....
Oil and grease	Compounders	16	12	.....
"	Foreman	1	11	.....
"	Mixers	2	10	.....
"	Teamster	1	10	.....
Paints and varnishes	Engineers	2	2.3	.....
"	Packers	2	9	.....
"	Paint mixers	11	.....	8.8
"	Shipping clerk	1	5	.....
"	Varnish makers	3	10	.....
"	Watchman	1	14	.....
Patterns and models	Pattern makers	73	7.4	.....
Pianos and other musical instruments	Finishers	3	11	.....
"	Laborers	9	13	.....
"	Machine hands	5	6	.....
Plumbing, steam and gas fit'g supplies	Buffers	14	1	.....
"	Furnace men	2	10	.....
"	Laborers	90	5	.....
"	Machinists	7	10	.....
"	Machine hands	27	10	.....
"	Moulders	6	10	.....
"	Pattern maker	1	10	.....
"	Plater	1	10	.....
"	Polishers	15	10	.....
"	Steam fitters	3	17	.....
Printing and binding	Binders	6	3.8	.....
"	Compositors	73	7.7	.....
"	Cutters	6	11	.....
"	Electrotype caster	1	14	.....
"	Electrotype helpers	3	23	.....
"	Electrotype moulder	1	10	.....
"	Errand boys	6	11	.....
"	Feeders	77	11	.....
"	Linotype operators	6	15	.....
"	Machinists' helper	1	12	.....

TABLE IVa — MANUFACTURES — CLEVELAND — Continued.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Printing and binding	Mailers	4	32	.....
“	Pressmen	39	12	.....
“	Pressmens' assistants	2	10	.....
“	Rulers	3	2.5	.....
“	Shipping clerk	1	10	.....
“	Stereotypers	3	21	.....
“	Type mach. operators' assistant.	1	50	.....
Pumps and water-wheels.....	Machinists	7	10	.....
Rubber goods	Laborer	1	10	.....
Salt	Salt packers	52	10	.....
Sash, doors, lumber and interior finish	Cabinet makers	20	10	.....
“	Carpenters	53	2.5	.....
“	Floor layers	20	20	.....
“	Glass department hands.....	23	5	.....
“	Glazers	21	5	.....
“	Laborers	5	2.5	.....
“	Machine hands	12	10	.....
“	Mill hands	85	10	.....
“	Prism department hands.....	14	10	.....
“	Transferers	6	10	.....
“	Yardmen	30	10	.....
Slaughtering and meat packing.....	Butchers	13	10	.....
Soap, candles and tallow.....	Soap boilers	3	50	.....
Steel, iron and tin.....	Catchers	20	2.5	.....
“	Doublers	20	2.5	.....
“	Heaters	30	3.7	.....
“	Heaters' helpers	10	6	.....
“	Laborers	192	4	.....
“	Puddlers and helpers.....	80	25	.....
“	Rollers	28	3.5	.....
“	Roll hands	63	6	.....
“	Risers	23	5	.....
“	Screw boys	20	2.5	.....
“	Shearmen	17	4	.....
“	Shearmens' helpers	22	5	.....
“	Telegraphers	20	6	.....
“	Tinners	23	5	.....
Stone (cut, sawed and artificial).....	Carvers	15	10	.....
“	Derrickmen	4	10	.....
“	Drillers	4	10	.....
“	Mill and factory hands.....	230	10	.....
“	Quarrymen	1,005	10	.....
“	Sawyers	4	10	.....
Stoves, ranges and furnaces.....	Closet makers	2	10	.....
“	Engineer	1	3	.....
“	Helpers	12	3	.....
“	Machinist	1	10	.....
“	Mechanics	10	10	.....
“	Moulders and range workers.....	166	7.5	.....
“	Mounters	10	10	.....
“	Ornamenter	3	5	.....
“	Packers	6	6.5	.....
“	Painter	1	10	.....
“	Pattern maker	1	10	.....
“	Platers	6	3	.....
“	Range builders	18	3	.....
“	Riveters	10	10	.....
“	Shipper	1	3	.....
“	Tinner	1	10	.....
Strawboards and paper.....	Beatermen	7	10	.....
“	Box tillers	2	5	.....
“	Engineers	2	30	.....
“	Finishers	2	10	.....
“	Washermen	2	10	.....
Tinware, sheet iron and galv. ironware	Helpers	10	13	.....
“	Laborers	75	10	.....
“	Machinists	2	9	.....
“	Press hands	10	10	.....
“	Slate roofers	5	4	.....
“	Tinners	20	5	.....
Tools	Apprentices	2	8	.....
“	Blacksmith	1	8	.....
“	Forgers and temperers.....	3	10	.....

TABLE IV_{aa}—MANUFACTURES—CLEVELAND—Continued.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the year 1901.

Industries.	Occupation—Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tools	Grinders	6	10	
"	Laborers	32	4	
"	Machinists	104	8	
"	Machine hands	38	7	
"	Polisher	1	10	
Wire rods, wire cloth and wire goods.	Blacksmiths	8	10	
"	Carpenters	12	10	
"	Fireman	1	20	
"	Iron workers	4	10	
"	Japanners	4	10	
"	Laborers	110	10	
"	Machinists	30	10	
"	Moulders	40	10	
"	Pattern makers	10	10	
"	Shippers and packers	4	15	
"	Spring turners and helpers	125	10	
"	Watchman	1	10	
"	Wire weavers	175	10	
"	Wire workers	250	10	
Miscellaneous	Basket makers	6	10	
"	Basket makers (boys)	6	10	
"	Blacksmiths' helpers	3	13.3	
"	Bolt work makers	4	2.5	
"	Burglar-safe builders' helpers	3	5	
"	Burglar vault builders	4	18.5	
"	Burglar vault builders' helpers	3	9	
"	Cabinet makers	7	16	
"	Engineer	1	10	
"	Lock fitters	2	13.3	
"	Macaroni makers	4	25	
"	Machinists	17	2	
"	Machine hands	11	10	
"	Miller	1	10	
"	Painters	5	6	
"	Pie coverers	3	20	
"	Plater	1		8
"	Plater's helpers	4	3	
"	Roller makers	4	7	
"	Safe and vault builders	16	4	
"	Tinners	10	10	
Totals and averages		12,803	7.9	
		89		9.4

TABLE IVaa — MANUFACTURES — CLEVELAND — Concluded.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the year 1901.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags.....	Awning sewers	33	10	.....
Cigars	Bunch makers	40	20	.....
"	Cigar makers	14	5	.....
"	Packers	17	22.6	.....
"	Rollers	80	10	.....
"	Strippers	10	15	.....
Clothing	Examiners	2	5	.....
"	Finishers	75	5	.....
"	Operators	100	5	.....
"	Pant makers	7	10	.....
"	Tailoresses	12	18.3	.....
"	Trimmers	3	5	.....
"	Vest maker	1	10	.....
Drugs, chemicals and druggists' sund's	Laborers	4	10	.....
Electrical goods and supplies.....	Carbon inspectors	3	2	.....
"	Mounters	23	2	.....
"	Washers	12	.....	2.5
Extracts, toilet articles and perfumery	Compounder	1	20	.....
"	Factory hands	6	10	.....
Foundry and machine shop products..	Core makers	21	8.5	.....
"	Machine tenders	37	7	.....
"	Piece workers	48	5	.....
Hats, caps and furnishings.....	Cap makers	10	10	.....
Machinery	Bench hand	1	10	.....
Paints and varnishes.....	Packers	2	3	.....
Printing and binding	Binders	16	10.7	.....
"	Compositors	8	5	.....
"	Feeders	9	8.3	.....
Rubber goods	Helpers	2	10	.....
Stoves, ranges and furnaces.....	Ornamenter's	8	10	.....
Wire rods, wire cloth and wire goods.	Seamstresses	12	10	.....
Miscellaneous	Macaroni makers	15	30	.....
Totals and averages.....	.....	620	9.1	.....
.....	.....	12	.....	2.5

TABLE IVb—MANUFACTURES—COLUMBUS.
AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Awning hangers	3	233	2 00	466 00	10
Awning hangers' helpers	1	300	1 50	450 00	10

BILLIARD TABLES, BAR AND STORE FIXTURES—2 ESTABLISHMENTS.

Cabinet makers	3	300	2 50	750 00	9
Carpenters	3	300	2 80	840 00	8
Finishers	3	300	2 33	699 00	9.3
Frame makers	3	300	1 50	450 00	10
Glaziers	1	300	2 00	600 00	10
Helpers	3	300	2 75	825 00	10
Machine hands	3	300	2 20	660 00	9.4
Plumbers	2	300	3 00	900 00	8

BOILERS, ENGINES AND TANKS—4 ESTABLISHMENTS.

Blacksmiths	2	295	\$2 50	\$737 50	10
Blacksmiths' helpers	2	295	1 50	442 50	10
Boilermakers	20	305	2 30	701 50	10
Boilermakers' helpers	26	305	1 55	472 75	9.8
Boilermakers and helpers	5	300	1 50	450 00	10
Carpenter	1	295	2 25	663 75	10
Core makers	7	295	1 50	442 50	10
Draughtsmen	1	295	3 00	885 00	8
Engineer	1	295	2 00	590 00	.....
Laborers	16	295	1 37	404 15	10
Machinists	48	295	2 50	737 50	10
Machinists' apprentices	20	295	75	221 25	10
Machinists' helpers	10	295	1 25	368 75	10
Molders	24	295	2 50	737 50	10
Molders' helpers	12	295	1 50	442 50	10
Patternmakers	2	295	3 00	885 00	10
Rivet heater	1	300	1 25	375 00	10

BOOTS AND SHOES—9 ESTABLISHMENTS.

Bottomers	675	300	\$1 57	\$471 00	9.7
Cutters	214	301	1 69	508 69	10
Finishers	5	306	83	253 98	10
Lasters	276	300	1 58	474 00	10
Shoemakers	126	281	1 73	486 13	10
Sole department hands	20	300	1 40	420 00	10
Stock fitters	105	300	1 16	348 00	10
Stock room hands	6	306	83	253 98	10

BOXES (PAPER)—2 ESTABLISHMENTS.

Box makers	25	308	\$1 25	\$385 00	10
Cutter	1	308	1 50	462 00	9.5
Driver	1	308	1 00	308 00	9.5

BOXES (WOODEN)—4 ESTABLISHMENTS.

Box maker	1	306	\$1 70	\$520 20	10
Engineer	1	75	2 00	150 00	10
Foreman	1	75	2 00	150 00	10
Foreman and sawyer	1	306	3 00	918 00	10
Laborers	10	300	1 25	375 00	9.3
Lumber carriers	4	75	1 25	93 75	10
Machine bands	15	300	1 80	540 00	9.3
Machinist	1	75	2 00	150 00	10
Mill boys	16	244	76	185 44	9.5
Mill hands	5	75	1 50	112 50	10
Nailer	1	300	1 10	330 00	10
Pressman	1	300	1 50	450 00	10
Sawyers	6	227	1 75	397 25	10
Shipping clerk	1	75	1 75	131 25	10
Yard man	1	75	1 65	123 75	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
BREAD AND OTHER BAKERY PRODUCTS — 7 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bakers	70	266	\$1 63	\$433 58	10
Candy makers	16	241	1 63	392 83	10
Carpenter	1	325	2 25	731 25	10
Coopers	3	325	1 50	487 50	10
Delivery boy	1	313	85	266 05	10
Drivers	6	285	1 50	427 50	10
Engineers	5	260	2 25	585 00	10
Foremen	4	325	3 69	1,199 25	10
Helpers	13	305	1 08	329 40	10
Hostlers	2	300	1 78	534 00	10
Mixers	2	325	1 75	568 75	10
Oven tenders	2	325	1 75	568 75	10
Packers	4	325	1 83	594 75	10
Peelers	2	325	1 50	487 50	10
Porters	3	325	1 50	487 50	10
Scrap boy	1	325	50	162 50	10
Shippers	2	325	2 00	650 00	10
Watchman	1	87	1 35	117 45	10

CARRIAGES AND WAGONS—15 ESTABLISHMENTS.

Apprentices	3	309	\$0 75	\$231 75	10
Assemblers	6	240	1 50	360 00	10
Blacksmiths	164	298	2 07	616 86	9.4
Blacksmiths' helpers	18	301	1 43	430 43	9.4
Body makers	49	309	1 95	602 55	10
Bow setter	1	310	2 00	620 00	10
Bow and shaft makers	4	309	1 87	577 83	10
Craters	29	294	1 69	496 86	9.1
Cushion makers	10	309	2 81	868 29	10
Engineer	1	295	2 00	590 00	9.5
Engineers, firemen, machinists and watchmen	21	309	2 06	636 54	10
Files and grinders	29	309	2 13	658 17	10
Finisher	1	270	1 50	405 00	9
Fireman	1	295	1 75	516 25	9.5
Gear builders	36	302	2 04	616 08	9.3
Gear fitters	17	309	2 11	651 99	10
Hangers, craters and shippers	60	309	1 70	525 30	10
Harness makers	30	300	1 75	525 00	9
Helper	1	307	1 50	460 50	9
Laborers	42	296	1 48	438 08	9.2
Packers	5	320	1 75	560 00	10
Painters	343	301	1 89	568 89	9.1
Sawyers and planers	23	309	1 60	494 40	10
Stockkeepers	3	309	1 93	596 37	10
Teamsters	12	308	1 37	421 96	9.8
Trimmers	194	300	1 80	540 00	9.3
Varnishers	39	309	1 88	580 92	9
Wheel makers	20	309	1 89	584 01	9.3
Wood workers	74	295	2 07	610 65	9.2
Yard hands	10	309	1 73	534 57	10

CARRIAGE AND WAGON MATERIALS—5 ESTABLISHMENTS.

Bench hands	45	291	\$2 03	\$590 73	10
Blacksmiths, stichers and cleaners	40	300	1 50	450 00	9
Fireman	1	255	1 60	408 00	10
Inspector	1	308	2 50	670 00	10
Laborers	20	308	1 50	462 00	10
Laborers (boys)	2	300	1 00	300 00	10
Machinist	1	300	2 25	675 00	10
Machine hands	85	280	1 39	389 20	10
Sawyer	1	255	2 00	510 00	10
Teamster	1	255	1 60	408 00	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
CIGARS — 12 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bunch breaker	1	300	\$0 90	\$270 00	10
Cigar makers	19	291	1 71	497 61	8
Foreman	1	270	2 33	629 10	10
Laborers	6	300	75	225 00	10
Laborer (boy)	1	300	50	150 00	.....
Rollers	27	302	1 04	314 08	9.8
Shipping clerk	1	270	1 25	337 50	10
Stogie makers	6	280	1 00	280 00	8
Stripper	1	310	50	155 00	8

CLOTHING — 4 ESTABLISHMENTS.

Cutter	1	308	\$2 50	\$670 00	10
Helpers	3	308	1 00	308 00	10

COFFEE, BAKING POWDER AND SPICES — 2 ESTABLISHMENTS.

Carpenter	1	300	\$1 75	\$525 00	9
Coffee roasters	2	300	2 37	711 00	9.5
Drivers	2	300	1 50	450 00	10
Engineer	1	300	2 13	639 00	9
Porters	5	300	1 50	450 00	9.4
Tinner	1	300	1 50	450 00	9

CONFECTIONERY — 4 ESTABLISHMENTS.

Boiler man	1	304	\$1 50	\$456 00	10
Candy makers	11	304	1 40	425 60	10
Driver	1	304	1 50	456 00	10
Foremen	6	304	2 33	708 32	10
Helpers	27	304	59	179 36	10
Starch boys	8	304	38	115 52	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 2 ESTABLISHMENTS.

Carders	4	275	\$1 25	\$343 75	10
Finishers	4	275	1 50	412 50	10
Sewing machine operators	5	290	1 66	481 40	10
Spinner	1	275	1 25	343 75	10
Stock men	2	275	1 00	275 00	10
Weaver	1	275	1 25	343 75	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 4 ESTABLISHMENTS.

Artificial limb department hands	3	306	\$2 00	\$612 00	.....
Candy maker	1	154	75	115 50	10
Carpenter	1	306	1 60	489 60	9.5
Clerks (store)	5	306	2 11	645 66	10
Delivery men	4	306	1 50	459 00	10
Hospital furniture makers	21	306	1 54	471 24	10
Laboratory workers	17	306	1 33	406 98	10
Laborers	51	306	1 60	489 60	9.5
Optical department hands	3	306	2 36	722 16	10
Orthopedic department hands	6	306	1 78	544 68	10
Prescription department hands	7	306	87	266 22	10
Printers	19	306	1 40	428 40	9.7
Shipping department hands	12	306	1 14	348 84	10

FLOURING MILL PRODUCTS — 4 ESTABLISHMENTS.

Engineers	3	280	\$1 43	\$400 40	9
Head miller	1	300	4 00	1,200 00	10
Laborers	4	300	1 50	450 00	10
Millers	25	215	1 65	354 75	10.5
Millers' apprentice	1	300	1 00	300 00	10
Packers	2	300	1 50	450 00	10
Teamsters	4	300	1 50	450 00	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS — 16 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	4	303	\$0 87	\$263 61	10
Assemblers	49	301	2 00	602 00	10
Blacksmiths	9	303	2 46	745 38	10
Blacksmiths' helpers	2	306	1 66	507 96	10
Bolt makers	5	303	2 10	646 80	10
Buffers	5	301	2 50	752 50	10
Chain makers	58	300	2 00	600 00	10
Chippers	21	306	1 46	446 76	10
Core cutters	9	306	1 25	382 50	10
Core makers	26	268	2 34	627 12	10
Core makers' helpers	11	306	1 35	413 10	10
Cupola men	12	306	1 62	495 72	10
Dippers	2	306	1 45	443 70	10
Engineers	6	279	2 11	588 69	10
Etchers	2	301	2 00	602 00	10
Foremen	23	304	2 69	817 76	10
Furnace men	4	212	3 00	636 00	10
Hammermen	6	275	2 00	550 00	10
Hammer boys	3	300	.75	225 00	10
Heaters	6	300	1 96	588 00	10
Helpers	42	296	1 41	417 36	10
Inspectors	2	301	2 25	677 25	10
Janitors	2	301	1 50	451 50	10
Laborers	316	279	1 49	415 71	10
Laborers (boys)	4	306	.55	168 30	10
Laborers and machine operators	120	300	1 35	405 00	10
Leaders (welding sets)	4	300	2 50	750 00	10
Link winders	12	300	1 50	450 00	10
Machinists	40	302	2 58	779 16	10
Machinists' helpers	9	278	1 25	347 50	10
Machine operators	14	308	2 12	652 96	10
Masons	2	276	2 75	759 00	10
Mechanics	8	285	2 50	712 50	10
Millwrights	2	306	2 00	612 00	10
Molders	216	280	2 15	602 00	10
Nutmakers	14	308	2 70	831 60	10
Nut tappers	3	308	1 25	385 00	10
Packers	5	300	1 75	525 00	10
Pattern makers	7	278	2 44	678 32	10
Pattern makers' helper	1	308	1 00	306 00	10
Pit men	84	306	1 45	443 70	10
Platers	5	301	2 00	602 00	10
Shifters	12	212	.75	159 00	10
Shippers	2	301	1 75	526 75	10
Stock hands	2	301	1 75	526 75	10
Teamsters	5	304	2 30	699 20	10
Testers	2	306	1 50	459 00	10
Tool makers	9	301	3 00	903 00	10
Watchmen	6	296	1 53	442 88	10
Yardmen	26	306	1 25	382 50	10

FURNITURE — 4 ESTABLISHMENTS.

Engineer	1	300	1 85	555 00	9
Finishers	6	275	1 75	481 25	10
Laborers	2	280	1 25	350 00	10
Packers	4	275	1 75	481 25	10
Pad makers	2	275	2 25	618 75	9
Piano stool makers	87	307	1 17	359 19	10
Upholsters	27	275	2 00	550 00	9
Wood workers	4	300	1 75	525 00	9

GLOVES AND MITTENS — 2 ESTABLISHMENTS.

Beemer	1	303	1 50	454 50	10
Cutters	24	305	1 52	463 60	10
Engineer	1	303	2 00	606 00	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.

GLOVES AND MITTENS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Formers	5	303	\$1 50	\$454 50	10
Helpers	3	315	75	236 25	10
Stakers	3	303	1 50	454 50	10
Tanners	2	303	2 25	681 75	10

HARNESS AND SADDLERY — 4 ESTABLISHMENTS.

Collar makers	10	300	\$1 75	\$525 00	10
Cutter	1	303	2 25	693 00	10
Harness makers	61	306	1 57	480 42	10
Machine man	1	303	2 25	693 00	10

ICE (ARTIFICIAL) — 2 ESTABLISHMENTS.

Drivers	69	365	\$1 47	\$536 55	10
Drivers' helpers	15	365	1 50	547 50	10
Engineer	1	365	4 16	1,518 40	12
Engineers' assistants	2	365	1 87	682 55	12
Factory hands	9	365	2 00	730 00	12
Firemen	3	365	1 71	624 15	12
Laborers	3	365	1 50	547 50	10
Pullers	10	365	1 50	547 50	10

IRON (STRUCTURAL AND ARCHITECTURAL) — 4 ESTABLISHMENTS.

Assemblers	5	312	\$1 75	\$546 00	9
Blacksmiths	9	311	2 08	646 88	9.1
Blacksmiths' helper	1	306	1 66	507 96	10
Carpenters	4	312	2 25	702 00	10
Draughtsmen	1	312	2 50	780 00	10
Driver	1	312	1 35	421 20	10
Erectors	13	312	1 56	486 72	10
Iron workers	14	309	1 66	512 94	10
Iron workers' helpers	6	306	1 50	459 00	10
Laborers	30	301	1 51	454 51	9.2
Laborer (boy)	1	306	1 00	306 00	10
Lays-out	6	312	1 53	477 36	9
Loaders and laborers	5	312	1 71	533 52	9
Machinists	23	312	2 07	645 84	9.7
Painters	3	312	1 62	505 44	9
Planermen	5	312	1 85	577 20	9
Pressman	1	306	2 00	612 00	10
Pressman's helper	1	306	1 50	459 00	10
Punchers and shearmen	10	312	1 50	468 00	9
Riveters	13	312	1 65	514 80	9
Sawmen	2	312	1 62	505 44	9
Template makers	2	312	2 34	730 08	9
Upsetters and bolt cutters	4	312	1 77	552 24	9

JEWELRY — 2 ESTABLISHMENTS.

Jewelers	14	300	\$1 80	\$540 00	10
Watch makers	70	300	2 00	600 00	10

LEATHER AND LEATHER GOODS — 2 ESTABLISHMENTS.

Tanners (skilled)	40	280	\$2 25	\$630 00	9
Tanners (unskilled)	20	293	1 50	439 50	9.5

LIGHTING APPARATUSES — 3 ESTABLISHMENTS.

Lamp makers	17	301	\$2 66	\$800 66	10
Mantel makers	4	275	95	261 25	10
Polishers and platers	5	308	2 00	616 00	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
LIGHTING APPARATUSES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bevellers	5	300	\$2 00	\$600 00	10
Buffers and polishers	6	300	2 10	630 00	10
Die and tool makers.....	1	300	3 50	1,050 00	10
Engineer	1	300	2 50	750 00	10
Finishers	3	300	2 25	675 00	10
Helpers	5	300	83	249 00	10
Japanners	1	300	2 00	600 00	10
Molders	2	300	2 00	600 00	10
Platers	3	300	2 75	825 00	10
Pressmen	2	300	1 50	450 00	10
Spinners	2	300	2 75	825 00	10

LIME, SAND CEMENT AND PLASTER — 2 ESTABLISHMENTS.

Baggers	2	260	\$1 50	\$390 00	10
Drier	1	260	1 25	325 00	10
Engineer	1	260	1 50	390 00	10
Laborers	13	297	1 64	487 08	10
Mixer	1	260	1 50	390 00	10
Slacker	1	260	1 50	390 00	10
Teamsters	2	260	1 37	356 20	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 4 ESTABLISHMENTS.

Apprentice	1	298	\$0 50	\$149 00	9
Artists	11	303	2 51	760 53	8.5
Blackers	2	298	1 75	521 50	9
Cutter	1	300	2 00	600 00	9
Engravers	6	302	3 95	1,192 90	8
Etchers	7	304	2 10	638 40	9
Etchers' apprentice	1	309	67	207 03	9
Feeders	4	304	1 50	456 00	9
Finishers	6	302	2 39	721 78	9
Finishers' apprentice	1	309	50	154 50	9
Grinder	1	300	1 50	450 00	9
Janitor	1	298	50	149 00	2
Laborers	6	308	1 30	400 40	9
Machinists	2	309	2 63	812 67	9
Photographers	8	305	2 42	738 10	9
Photographers' apprentices	3	305	66	201 30	9
Pressmen	4	304	3 19	969 76	9
Proofers	2	303	1 87	566 61	9
Transferers	6	305	3 30	1,006 50	9

MACHINERY — 6 ESTABLISHMENTS.

Bench hands	30	310	\$1 75	\$542 50	10
Blacksmiths	21	308	1 80	554 40	10
Blacksmiths and apprentices	6	310	2 11	654 10	9.5
Blacksmiths' helpers	16	310	1 34	415 40	9.6
Boilermakers and apprentices	7	310	2 27	708 70	9
Boilermakers' helpers	22	310	1 26	390 60	9
Brass workers	2	310	2 20	682 00	10
Carpenters	5	310	2 10	651 00	10
Carpenters and woodworkers	30	300	2 25	675 00	10
Chain men	55	300	1 00	300 00	10
Chippers	24	310	1 30	403 00	9
Core makers and apprentices.....	7	310	2 00	620 00	9.5
Draughtsmen	29	310	2 21	685 10	8
Drillers	6	270	2 00	540 00	10
Electricians	25	310	1 60	496 00	10
Engineers	5	298	2 58	768 84	10
Erectors	59	306	1 68	514 08	8.8
Firemen	3	300	1 85	555 00	10
Iron and steel workers.....	200	300	2 15	645 00	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.

MACHINERY — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Laborers	148	303	1 40	424 20	10
Machinists	236	304	2 33	708 32	10
Machinists and apprentices	69	310	2 24	694 40	9.5
Machinists' helpers	26	310	1 30	403 00	9.5
Masons	15	310	4 00	1,240 00	8
Masons' helpers	59	310	1 15	356 50	8
Molders and apprentices	31	310	2 58	799 80	9
Molders' helpers	36	310	1 25	387 50	9.5
Painters	32	301	1 68	505 68	10
Pattern makers	26	298	2 27	676 46	10
Pattern makers' apprentices	8	310	2 11	654 10	9.5
Sheet iron workers	40	310	1 75	542 50	10
Teamsters	3	310	1 50	465 00	10
Vise hands	2	270	2 50	675 00	10
Watchmen	2	310	1 25	387 50	10
Woodworkers	100	300	2 00	600 00	10

PAINTS AND VARNISHES — 3 ESTABLISHMENTS.

Labellers	4	300	\$1 50	\$450 00	10
Laborers	13	306	1 85	566 10	8.7
Packers	4	300	1 50	450 00	10
Paint makers	27	300	1 50	450 00	10
Shipping clerks	2	300	2 00	600 00	9

PRINTING AND BINDING — 22 ESTABLISHMENTS.

Apprentices	11	307	\$0 86	\$264 02	9
Binders	17	308	2 19	674 52	9.4
Box makers	1	307	2 17	666 19	10
Compositors	115	307	2 40	736 80	9
Cutters	4	306	1 92	587 52	9.2
Engineer	1	307	1 75	537 25	10
Errand boys	3	311	45	139 95	8.3
Feeders	38	306	1 55	474 30	9
Finishers	3	307	2 80	859 60	9.7
Finishers' helper	1	307	2 00	614 00	9
Foreman	1	306	3 00	918 00	9
Forwarders	2	307	2 60	798 20	10
Helpers	7	309	85	262 65	9.4
Linotype operators	6	309	3 55	1,096 95	8
Machinists	4	310	2 79	864 90	8.5
Molder	1	307	3 00	921 00	9
Molders' helper	1	307	1 17	359 19	9
Packer	1	309	2 00	618 00	9.5
Porter	1	308	1 08	308 00	9
Pressmen	34	307	2 03	623 21	9.2
Pressmen's helpers	7	307	1 65	506 55	9
Proofreaders	2	307	2 50	767 50	9
Rulers	6	308	2 88	887 04	10
Shipping clerk	1	313	2 50	782 50	8
Stereotypers	4	313	2 05	641 65	8
Truckmen	2	313	1 95	610 35	9

SASH, DOORS, LUMBER AND INTERIOR FINISH — 10 ESTABLISHMENTS.

Bench hands	15	305	\$2 07	\$631 35	8.7
Cabinet makers	12	300	2 40	720 00	9
Carpenters	15	300	2 27	681 00	9
Carver	1	300	2 50	750 00	9
Engineers	5	301	2 08	626 08	9.2
Finishers	8	300	1 50	450 00	9
Firemen	2	302	2 00	604 00	9.5
Foremen	3	303	2 40	727 20	8.7

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
SASH, DOORS, LUMBER AND INTERIOR FINISH — Concluded

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	4	305	\$1 14	\$347 70	8.7
Helpers and laborers	12	298	1 35	402 30	10
Laborers	19	303	1 42	430 26	9.4
Lumber handlers	8	300	1 75	225 00	10
Machine hands	33	301	2 16	650 16	9
Mechanics	20	300	2 50	750 00	10
Mill hands	29	300	2 20	660 00	9
Packer	1	300	2 50	750 00	9
Saw filer	1	300	2 00	600 00	10
Teamsters	5	301	1 40	421 40	9
Woodworkers	4	307	2 25	690 75	9
Watchman	1	300	1 35	405 00	10

SOAP, CANDLES AND TALLOW — 2 ESTABLISHMENTS.

Engineer	1	310	\$2 75	\$852 50	10
Laborers	5	310	1 52	471 20	10
Soap makers	8	310	1 50	465 00	.....

SODA AND MINERAL WATERS — 2 ESTABLISHMENTS.

Bottlers	5	310	\$1 87	\$579 70	10
Bottle washers	6	310	1 00	310 00	10
Hostlers	2	309	1 21	373 89	10
Teamsters	7	310	2 07	641 70	10

STARCH — 2 ESTABLISHMENTS.

Mixer	1	130	\$1 80	\$134 00	5
Packers	2	300	1 00	300 00	10

STEEL, IRON AND TIN — 2 ESTABLISHMENTS.

Blacksmiths	2	365	\$2 00	\$730 00	10
Carpenters	2	365	1 65	602 25	10
Chemists and assistants	8	312	1 50	468 00	10
Electrician	1	365	2 00	730 00	12
Engineers	23	320	2 08	665 60	12
Fillers	27	365	1 80	657 00	12
Firemen	24	312	1 60	499 20	12
Foremen	18	338	2 60	878 80	10
Gas makers	6	312	1 50	468 00	12
Helpers	110	365	1 55	565 75	12
Iron carriers	28	365	2 05	748 25	12
Keepers	4	365	2 10	766 50	12
Laborers	419	317	1 57	497 69	11
Laborers (skilled)	139	312	2 81	876 72	12
Machinists	2	365	2 30	839 50	10
Masons	2	312	3 50	1,102 00	10
Mechanics	43	312	2 10	655 20	11
Pipe fitters	2	365	1 80	657 00	12
Ship men	4	365	2 10	768 50	12
Teamsters	5	312	1 75	546 00	10
Watchmen	2	365	1 50	547 50	12

STONE (CUT, SAWED AND ARTIFICIAL) — 6 ESTABLISHMENTS.

Blacksmiths	4	300	\$2 12	\$636 00	10
Carpenters	2	300	2 25	675 00	10
Cutters	14	275	3 20	880 00	8
Cutters and setters	12	250	3 20	800 00	8
Drillmen	11	300	2 00	600 00	10
Drivers	14	296	1 50	444 00	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
STONE (CUT, SAWED AND ARTIFICIAL).— Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Drivers and helpers.....	20	300	\$1 00	\$300 00	10
Engineers	7	296	2 29	677 84	10
Finishers	3	240	3 00	720 00	10
Firemen	5	295	1 75	516 25	10
Laborers	231	291	1 50	436 50	10
Laborers and quarrymen.....	92	300	1 50	450 00	10
Stone workers	27	306	1 46	446 76	10
Watchmen	2	300	1 50	450 00	12

STOVES, RANGES AND FURNACES—5 ESTABLISHMENTS.

Carpenters	2	150	\$2 00	\$300 00	9
Cupola tender	1	275	1 75	431 25	.....
Engineers	2	262	1 75	458 50	10
Furnace workers	10	308	1 80	554 40	10
Laborers	26	216	1 39	300 24	9.5
Molders	85	220	2 31	508 20	9
Mounters	18	231	2 18	503 58	9.7
Pattern maker	1	150	3 00	450 00	9
Range makers	5	275	1 50	412 50	.....
Stove makers	8	167	2 25	375 75	9
Teamsters	2	200	1 58	316 00	9.5
Tinners	4	175	2 00	350 00	9.2

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—7 ESTABLISHMENTS.

Foundry hands	11	305	\$2 27	\$692 35	10
Helper	1	306	75	229 50	.....
Laborers	79	304	1 56	474 24	10
Machinists	6	307	2 58	792 06	9.5
Metal workers	45	306	1 62	495 72	8
Packers	3	308	1 75	539 00	9
Pattern makers	3	305	2 73	832 65	10
Pressmen	15	309	2 00	618 00	9
Steel workers	20	309	2 25	695 25	9
Tinners	14	195	1 37	267 15	9.8

TOOLS—5 ESTABLISHMENTS.

Apprentices	2	277	\$0 75	\$207 75	10
Blacksmiths	2	315	3 25	1,023 75	9
File cutters	16	300	2 00	600 00	10
Forger	1	300	2 00	600 00	10
Grinders	4	304	2 00	608 00	9.7
Helper	1	277	1 80	1,023 75	10
Machinists	8	277	2 40	664 80	10
Saw makers	40	300	2 50	750 00	10
Tool makers	55	304	1 60	486 40	8

TRUNKS AND VALISES—3 ESTABLISHMENTS.

Errand boy	1	310	\$0 75	\$232 50	10
Laborers	9	302	1 25	377 50	10
Trunk makers	20	294	1 86	546 84	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS—3 ESTABLISHMENTS.

Blacksmith	1	287	\$2 25	\$645 75	10
Helpers	7	250	86	215 00	9.6
Scroll workers	2	287	3 00	861 00	10
Wire workers (skilled).....	3	287	2 50	717 50	10
Wire workers (unskilled).....	26	310	1 36	421 60	9.3

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
MISCELLANEOUS — 27 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Artists	4	350	\$2 50	\$895 00	9
Awler	1	280	1 50	420 00	10
Assemblers	2	182	1 50	273 00	9
Bench hands	12	302	1 50	453 00	9
Blacksmiths	26	303	2 15	651 45	10
Brass workers	28	302	1 60	483 20	10
Broom makers	5	300	1 15	345 00	.....
Buffers	9	302	1 75	528 50	10
Butterine makers	60	308	1 60	492 80	9
Carpenters	4	350	2 50	895 00	9
Core makers	2	302	1 20	362 40	10
Cutters	9	300	2 01	603 00	10
Driver	1	300	1 35	405 00	9
Engineers	5	292	2 00	534 00	10
Fireman	1	300	1 15	345 00	9
Foremen	7	303	2 52	763 56	10
Formers	2	182	1 00	182 00	9
Founders	5	302	2 45	739 90	10
Grinder	1	250	. 87	467 50	10
Hat makers	4	307	1 64	503 48	10
Helpers	9	294	. 64	188 16	9.6
Inspector	1	275	2 50	687 50	10
Janitor	1	302	1 32	398 64	10
Laborers	52	293	1 54	451 22	9.7
Leather workers	10	307	1 51	467 57	10
Machine hands	22	293	1 67	489 81	9.5
Metal workers	75	307	1 98	607 88	10
Nickel platers	2	302	2 50	755 00	10
Packers	2	300	1 37	411 00	10
Painters	20	305	1 96	597 80	9.8
Pattern makers	2	302	2 12	640 24	10
Ravellers	2	300	. 75	225 00	10
Riveters	3	297	1 00	297 00	8
Runner	1	300	. 50	150 00	10
Sawyer	1	282	2 00	564 00	10
Sheet metal workers	4	302	1 60	483 20	10
Shipping clerks	5	297	1 60	475 20	10
Stockkeeper	1	305	2 00	610 00	10
Stringers	2	310	. 60	186 00	9.5
Stuffers	2	280	1 35	378 00	10
Tailors	22	307	2 04	626 28	10
Tinsmith	1	312	1 45	452 40	.....
Tool makers	3	302	2 08	623 16	10
Trunk makers	24	307	1 32	405 24	10
Varnishers	3	267	. 83	221 61	9.2
Watchmen	3	296	1 33	393 68	11
Weavers	11	300	1 00	300 00	10
Winders	5	300	. 41	123 00	10
Wood workers	76	297	1 64	487 08	10

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
AWNINGS, TENTS AND FLAGS — 3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Forewoman	1	300	\$0 75	\$225 00	10
Seamstresses	12	225	90	202 50	10

BOOTS AND SHOES — 9 ESTABLISHMENTS.

Cutters	112	300	\$1 31	\$393 00	9.8
Finishers	2	306	50	153 00	10
Fitters	765	300	1 12	336 00	9.8
Laborers	58	310	1 25	387 50	10
Packers and shippers	36	300	82	246 00	9.6
Shoemakers	64	255	1 04	265 20	10
Stitchers	13	306	1 00	306 00	10

BOXES (PAPER) — 2 ESTABLISHMENTS.

Box makers	107	308	\$0 66	\$203 28	10
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BOXES (WOODEN) — 1 ESTABLISHMENT.

Laborers	6	300	\$0 70	\$210 00	10
Pasters	12	300	75	225 00	10

BREAD AND OTHER BAKERY PRODUCTS — 6 ESTABLISHMENTS.

Bakers	4	313	\$0 76	\$237 88	10
Candy makers	15	318	1 22	387 96	10
Packers	52	268	83	222 44	10
Wrapper	1	87	60	52 20	10

CARRIAGES AND WAGONS — 10 ESTABLISHMENTS.

Machine hands	16	309	\$1 03	\$318 27	10
Trimmers	23	295	1 03	303 85	9

CARRIAGE AND WAGON MATERIALS — 1 ESTABLISHMENT.

Stitchers	10	300	\$1 00	\$300 00	9
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CIGARS — 11 ESTABLISHMENTS.

Bunch breakers	53	294	\$0 86	\$252 84	9.3
Cigar makers	8	264	82	213 89	8
Packers	12	293	73	213 89	9.7
Rollers	138	294	81	238 14	9.4
Strippers	55	293	50	146 50	9.3

CLOTHING — 3 ESTABLISHMENTS.

Buttonhole makers	4	317	\$1 00	\$317 00	10
Cutters	3	314	2 17	681 83	10
Finishers	2	308	1 00	308 00	10
Marker	1	325	1 00	325 00	8
Seamstresses	32	300	1 00	300 00	9
Shirt makers	35	315	1 21	351 15	10
Stitchers	12	276	92	253 92	9.5
Trimmer	1	325	1 00	325 00	10

COFFEE, BAKING POWDER AND SPICES — 2 ESTABLISHMENTS.

Forewoman	1	300	\$1 00	\$300 00	9
Packers	8	300	75	225 00	9.4

TABLE IVb — MANUFACTURES — COLUMBUS — Continued.
CONFECTIONERY — 3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Chocolate dippers	46	303	\$0 54	\$163 62	10
Forewomen	2	304	1 50	456 00	10
Packers	20	304	60	182 40	10
Stockkeepers	2	304	1 06	322 24	10
Wrappers	12	304	50	152 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 2 ESTABLISHMENTS.

Folders and spoolers	3	275	\$0 75	\$206 25	10
Operators	42	290	80	232 00	10
Spinners	2	275	1 00	275 00	10
Weavers	9	275	1 20	330 00	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 4 ESTABLISHMENTS.

Clerks	6	306	\$1 14	\$348 84	10
Laboratory workers	17	307	75	230 25	10
Laborers	80	297	73	216 81	9.5
Orthopedic department hand	1	306	67	205 02	10
Prescription department hands	4	306	83	253 98	10
Shipper	1	306	1 00	306 00	10

FOUNDRY AND MACHINE SHOP PRODUCTS — 2 ESTABLISHMENTS.

Assorter	1	308	\$0 65	\$200 20	10
Core makers	2	276	1 24	342 24	10
Labeller	1	308	70	215 60	10
Machine tenders	2	308	65	200 20	10
Wrapper	1	308	80	246 40	10

FURNITURE — 1 ESTABLISHMENT.

Scarf makers	16	307	\$0 81	\$248 67	10
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GLOVES AND MITTENS — 2 ESTABLISHMENTS.

Glove makers	65	303	\$0 90	\$272 70	10
Helpers	2	315	62	195 30	10
Inspectors	3	303	75	227 25	10
Machine hands	10	315	90	283 50	10

HARNESS AND SADDLERY — 1 ESTABLISHMENT.

Harness maker	1	309	\$0 67	\$207 03	2
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JEWELLRY — 2 ESTABLISHMENTS.

Jewelers	32	300	\$1 00	\$300 00	10
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LIGHTING APPARATUSES — 2 ESTABLISHMENTS.

Cleaners and wrappers	10	300	\$0 83	\$249 00	10
Japanners	2	300	2 00	600 00	10
Mantel makers	10	275	50	137 50	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 3 ESTABLISHMENTS.

Artists' apprentice	1	309	\$0 67	\$207 03	9
Cutters	2	308	75	231 00	8
Laborers	3	308	87	267 96	9

TABLE IVb — MANUFACTURES — COLUMBUS — Concluded.
PAINTS AND VARNISHES — 2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Labellers	6	300	\$0 90	\$270 00	10
Laborer	1	308	1 50	462 00	8

PRINTING AND BINDING — 17 ESTABLISHMENTS.

Binders	31	305	\$0 90	\$274 50	9.2
Copy holders	3	308	1 17	360 36	9.2
Envelope maker	1	307	80	245 60	10
Feeders	10	306	75	229 50	9.4
Folders	40	308	90	307 20	9.6
Laborer	1	304	84	255 36	9
Mailers	2	307	1 00	307 00	9
Porters	3	300	1 00	300 00	10
Press room hand	1	300	75	225 00	9
Printers	4	309	1 50	463 50	9.5

SOAP, CANDLES AND TALLOW — 2 ESTABLISHMENTS.

Soap makers	4	310	\$0 93	\$283 30	10
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STARCH — 8 ESTABLISHMENTS.

Packers	22	246	\$0 93	\$228 78	9.6
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STEEL, IRON AND TIN — 1 ESTABLISHMENT.

Janitréss	1	312	\$1 50	\$468 00
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STOVES, RANGES AND FURNACES — 1 ESTABLISHMENT.

Helpers	4	167	\$0 60	\$100 20	9
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TINWARE, SHEET IRON AND GALVANIZED IRONWARE — 1 ESTABLISHMENT.

Decorator	1	300	\$0 58	\$174 00	8
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TRUNKS AND VALISES — 2 ESTABLISHMENTS.

Trunk makers' helpers	10	297	\$0 51	\$151 47	10
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MISCELLANEOUS — 11 ESTABLISHMENTS.

Cap makers	32	307	\$0 84	\$257 88	10
Clippers	3	300	50	150 00	10
Coverers	11	300	1 30	390 00	9
Cutters	2	182	1 25	227 50	9
Embroiderers	73	307	1 08	331 56	10
Forewomen	2	304	2 00	608 00	9.5
Fringers	2	300	58	174 00	10
Hat makers	3	307	1 28	492 96	10
Helpers	10	295	92	271 40	10
Leather workers	3	307	91	279 37	10
Loop breakers	3	300	41	123 00	10
Machine hands	98	288	89	256 32	9.8
Rollers	2	300	50	150 00	10
Stringers	4	182	1 00	182 00	9
Packers	3	300	75	225 00	10
Tailoresses	60	307	97	297 79	10
Tier	1	280	50	140 00	10
Trunk makers	3	307	92	282 44	10
Turner	1	280	50	140 00	10
Wrapper	1	50	50	25 00	10

TABLE IV^{bb} — MANUFACTURES — COLUMBUS.

Table by Industries, Showing the Number in Each Occupation Affected by a change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Boilers, engines and tanks.....	Boiler makers	15	10	.....
“	Boiler makers' helpers.....	17	10	.....
“	Draughtsman	1	50	.....
“	Watchman	1	20	.....
Boxes (paper)	Box makers	90	7	.....
Boxes (wooden)	Lumber carriers	4	10	.....
“	Sawyers	2	12.5	.....
Bread and other bakery products.....	Bakers	23	7	.....
“	Candy makers	7	10	.....
“	Engineers	2	12.5	.....
“	Helpers	8	33.3	.....
Carriages and wagons.....	Blacksmiths	38	8.5	.....
“	Blacksmiths' helpers	7	8.3	.....
“	Craters	32	10	.....
“	Engineer	1	10	.....
“	Gear men	11	13	.....
“	Harness makers	30	5	.....
“	Laborers	10	13.5	.....
“	Painters	140	10	.....
“	Trimmers	80	8	.....
“	Wood workers	9	7.2	.....
Carriage and wagon materials.....	Fireman	1	5	.....
“	Machine hands	25	5	.....
“	Teamster	1	5	.....
Cigars	Roller	1	16.6	.....
Confectionery	Helpers	3	12.5	.....
Drugs, chemicals and druggists' sund's	Laboratory workers	2	10	.....
Foundry and machine shop products..	Chain makers	58	5	.....
“	Engineer	1	10	.....
“	Foreman	1	5	.....
“	Hammermen	6	10	.....
“	Laborers	20	10	.....
“	Machinists	2	10	.....
“	Machinists' helpers	8	10	.....
“	Moulders	47	9	.....
“	Setters	2	10	.....
Iron (structural and architectural).....	Blacksmith helper	1	4	.....
“	Machinist	1	11	.....
“	Pressman's helper	1	8	.....
Lithographing, engr. and electrotyping	Artists	11	15.3	.....
“	Etchers	6	10	.....
“	Etchers' apprentice	1	33.3	.....
“	Finishers	6	17	.....
“	Photographers	8	20	.....
“	Photographers' helpers	3	26.6	.....
“	Proofers	2	22.5	.....
Machinery	Boiler makers' helpers.....	22	30	.....
“	Chippers	24	5	.....
“	Machinists and apprentices.....	69	3	.....
“	Moulders and apprentices.....	31	4	.....
Paints and varnishes.....	Laborers	8	10	.....
“	Shipping clerk	1	10	.....
Printing and binding	Binders	6	6.5	.....
“	Compositors	13	10	.....
“	Foreman	1	1	.....
“	Helpers	2	13	.....
“	Machinist	1	10	.....
“	Porter	1	10	.....
“	Press feeders	16	14	.....
“	Pressmen	3	20	.....
“	Ruler	1	5	.....
Sash, doors, lumber and interior finish	Bench hands	6	10	.....
“	Cabinet makers	12	5	.....
“	Carpenters	10	5	.....
“	Filer	1	10	.....
“	Foremen	2	10	.....
“	Lumber handlers	8	10	.....
“	Machine hands	17	7	.....
“	Mechanics	20	10	.....
“	Teamsters	4	10	.....
Stone (cut, sawed and artificial).....	Quarrymen	27	10	.....
Stoves, ranges and furnaces.....	Stove makers	8	10	.....
Tinware, sheet iron and galv. ironware	Sheet metal workers.....	45	12	.....

TABLE IVbb — MANUFACTURES — COLUMBUS — Continued.

Table by Industries, Showing the Number in Each Occupation Affected by
a change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tinware, sheet iron and galv. ironware...	Tinners	6	10	.....
Tools	Apprentices	2	12.5	.....
Wire rods, wire cloth and wire goods.	Blacksmith	1	10	.....
“	Wire workers	8	15	.....
Miscellaneous	Blacksmiths	25	10	.....
“	Butterine makers	60	10	.....
“	Cutter	1	15	.....
“	Engineer	1	10	.....
“	Foreman	1	12	.....
“	Laborers	10	10	.....
“	Machine hands	8	10	.....
“	Painters	13	10	.....
“	Riveters	2	15	.....
“	Sawyer	1	10	.....
“	Watchman	1	10	.....
“	Wood workers	8	10	.....
Totals and averages.....	.....	1,253	10.5	.....

TABLE IVbb — MANUFACTURES — COLUMBUS — Concluded.

Table by Industries, Showing the Number in Each Occupation Affected by
a change in Wages for the Year 1901.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Bread and other bakery products.....	Candy makers	7	12	.....
“	Packers	12	15	.....
Carriages and wagons.....	Trimmers	10	7	.....
Cigars	Rollers	8	16.6	.....
Clothing	Cutter	1	10	.....
“	Stitchers	12	10	.....
Confectionery	Chocolate dippers	8	12.5	.....
Cotton and woolen goods (knit and woven)	Operators	42	20	.....
Drugs, chemicals and druggists' sund's	Laboratory workers	4	10	.....
Printing and binding.....	Binders	8	10	.....
“	Folders	7	9.5	.....
Stoves, ranges and furnaces.....	Helpers	4	20	.....
Totals and averages.....	.....	123	14.6	.....

TABLE IV_c—MANUFACTURES—CINCINNATI.
ADVERTISING NOVELTIES AND SIGNS—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Artist	1	303	\$4 17	\$1,263 51	8
Box maker	1	303	1 25	378 75	10
Decorators (glass)	20	240	1 50	360 00	10
Enamellers	2	288	2 25	648 00	11
Finisher	1	303	1 25	378 75	10
Helpers	3	303	75	227 25	10
Japanner	1	303	2 00	606 00	10
Joiner	1	303	1 50	454 50	10
Laborers (boys)	18	300	1 00	300 00	10
Press feeder	1	303	1 50	454 50	10
Printer	1	303	3 33	1,008 99	9

AWNINGS, TENTS AND FLAGS—6 ESTABLISHMENTS.

Awning hangers	11	285	\$1 70	\$484 50	9.2
Blacksmith	1	312	2 00	624 00	10
Compositors	10	361	2 00	722 00	10
Cutters	4	333	1 75	582 75	9.5
Engineer	1	361	2 83	1,021 63	10
Feeders	8	361	1 25	451 25	10
Finisher	1	232	2 00	464 00	10
Fireman	1	361	1 67	602 87	10
Flag workers	2	361	1 00	361 00	10
Foreman	1	312	4 16	1,297 92	8
Hand sewer	1	300	1 75	525 00	10
Helper	1	232	1 25	290 00	10
Millwright	1	361	2 00	722 00	10
Packers	3	361	1 50	541 50	10
Porter	1	361	1 16	418 76	10
Pressmen	4	361	2 00	722 00	10
Ropers	3	232	2 50	580 00	10
Stickers	10	361	1 25	451 25	10
Tent makers	4	306	2 00	612 00	10

BAGS (PAPER AND BURLAP)—7 ESTABLISHMENTS.

Assorters	4	306	\$0 50	\$153 00	10
Bag makers	3	316	1 99	628 84	10
Balers	2	325	1 00	325 00	10
Compositors	9	310	1 92	595 20	9.7
Cutters	2	307	1 50	460 50	10
Engineers	2	303	2 50	757 50	10
Engravers	3	306	2 00	612 00	10
Envelope department hand.....	1	307	4 00	1,228 00	10
Feeders	8	307	75	230 25	10
Finishers	5	306	1 50	459 00	10
Foremen	6	305	2 22	677 10	10
Helpers	5	307	1 25	383 75	10
Laborers (boys)	2	307	60	184 20	10
Machine tenders	14	274	1 36	372 64	10
Pointers	1	307	2 50	767 50	10
Porters	12	307	1 49	491 20	10
Press boys	22	306	1 42	435 94	10
Pressmen	7	305	71	217 26	10
Press tenders	5	314	1 50	471 00	10
Stereotypers	2	306	1 50	459 00	10

BILLIARD TABLES, BAR AND STORE FIXTURES—11 ESTABLISHMENTS.

Apprentices	2	308	\$1 00	\$308 00	9
Assemblers	3	275	1 75	481 25	10
Boxers	2	310	2 00	620 00	10
Buffers	8	275	1 75	481 00	10
Cabinet makers	78	285	2 07	589 95	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
BILLIARD TABLES, BAR AND STORE FIXTURES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Carpenters and cabinet makers.....	45	303	\$2 19	\$663 57	10
Carvers	2	200	2 25	450 00	10
Casing cleaners	5	305	2 00	610 00	10
Casing makers	12	200	1 60	320 00	10
Cleaners (boys)	3	310	1 00	310 00	10
Designer	1	200	2 50	500 00	8
Drilling slate hand.....	1	295	1 65	486 75	10
Drivers	3	305	2 22	677 10	10
Engineers	5	279	2 27	633 33	10
Filler	1	295	1 75	221 25	10
Finishers	14	257	1 59	407 63	10
Glaziers	4	310	2 31	716 10	10
Iron bed makers	16	275	1 75	481 25	10
Laborers	4	302	1 25	377 50	9.7
Lacquers	4	275	1 75	481 25	10
Machine hands	28	280	2 21	618 80	10
Machinists	25	293	2 00	586 00	9.4
Metal worker	1	309	2 00	618 00	10
Molder	1	275	1 75	481 25	10
Packers	13	276	1 43	394 68	10
Plater	1	275	1 50	412 50	10
Polishers	3	310	1 50	465 00	10
Porters	3	275	1 40	385 00	10
Rubber	1	295	1 50	442 50	10
Silver workers	3	310	2 50	775 00	10
Show case makers	7	306	1 80	550 80	10
Teamster	1	275	2 00	550 00	10
Tinner	1	200	2 00	400 00	10
Upfitters	3	310	2 00	620 00	10
Varnishers	12	307	1 84	564 88	9.7

BOILERS, ENGINES AND TANKS — 12 ESTABLISHMENTS.

Apprentices	5	305	\$0 75	\$228 75	9.7
Blacksmiths	10	296	2 34	692 64	9.3
Blacksmiths' helpers	3	306	1 44	440 64	9.
Boiler makers	51	300	2 35	705 00	9.2
Carpenter	1	306	2 10	642 60	9
Coppersmith	1	306	2 52	771 12	9
Draughtsmen	3	295	2 18	641 50	8.3
Drill press hands.....	2	302	2 00	604 00	10
Driver	1	307	1 50	460 50	9
Engineers	4	298	2 37	706 26	9.2
Errand boy	1	306	45	137 70	9
Finishers	2	290	1 50	435 00	9
Helpers	43	289	1 54	445 06	9.6
Hostler	1	306	1 50	459 00	9
Iron workers and riveters.....	21	289	2 17	627 13	10
Laborers	43	292	1 49	435 08	10
Lathe hands	5	302	1 85	558 70	10
Machine hands	8	290	1 75	507 50	9
Machinists	53	294	2 06	605 64	9.2
Machinists' apprentices	6	306	72	220 32	9
Machinists' helpers	15	307	1 75	537 25	9
Mechanics	7	261	2 25	587 25	10
Molders	4	298	2 17	646 66	9
Molders' apprentice	1	306	39	119 34	9
Molders' helper	1	306	1 53	468 18	9
Packers	2	300	1 75	525 00	10
Painters	3	304	1 66	504 64	9.8
Pattern makers	4	293	2 56	750 08	9.7
Pipe fitters	3	306	2 16	660 96	9
Pipe fitters' helpers	3	306	1 53	468 18	9
Planer hands	1	302	2 25	679 50	10
Plater (nickel)	1	306	3 00	918 00	9
Polishers	3	306	2 07	633 42	9
Rivet heaters	4	289	91	262 99	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

BOILERS, ENGINES AND TANKS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Sheet iron and steel workers.....	35	313	\$1 85	\$579 05	9
Stock keeper	1	306	1 26	385 56	9
Time keepers	2	298	2 57	765 86	9.5
Tinners	5	300	1 75	525 00	10
Varnishers	6	290	1 25	362 50	9
Vise hands	5	302	2 10	634 20	10
Watchman	1	289	1 67	482 63	10

BOOTS AND SHOES — 30 ESTABLISHMENTS.

Bottomers	964	283	\$2 00	\$566 00	9.8
Bottomers (boys)	9	300	50	150 00	10
Burnishers	4	307	2 16	663 12	10
Crimper	1	300	1 50	450 00	10
Cutters	923	281	1 86	522 66	9.8
Cutters' helpers	16	300	1 40	420 00	10
Edge setters	7	270	2 23	615 60	9
Errand boys	2	300	1 83	549 00	10
Engineers	3	305	2 70	823 50	10
Finishers	403	283	1 75	495 25	9.8
Fitters	22	300	1 57	471 00	9.2
Heel sander	1	87	1 00	87 00	9
Heelers	10	290	2 00	580 00	9.8
Helpers	33	280	55	154 00	9.6
Inkers	10	300	1 60	480 00	9
Inseamer	1	87	2 50	217 50	9
Insole maker	1	87	1 25	103 75	9
Ironers	2	300	2 50	750 00	10
Laborers	60	287	1 30	373 10	10
Lasters	830	279	1 79	499 41	9.8
Last makers	2	300	2 50	750 00	10
Lift cutters and helpers.....	4	300	75	225 00	10
McKay room hands	57	309	2 25	695 25	10
Operators	58	285	1 66	473 10	8.7
Outsiders	4	300	1 00	300 00	10
Packers	48	283	1 56	441 48	9.5
Pattern makers	8	300	2 02	606 00	10
Scourer	1	300	2 50	750 00	10
Shippers	4	234	1 69	395 46	9.7
Shoemakers	62	310	2 32	719 20	10
Sole cutters	16	280	60	168 00	10
Sole leather room hands.....	10	307	1 62	497 34	10
Sorter	1	200	2 50	500 00	9
Stitchers	9	262	2 72	712 64	9.8
Stock hands	112	294	1 87	549 78	9.7
Tackers	3	300	1 66	498 00	10
Treers	20	294	1 86	546 84	10
Trimmers	14	278	2 27	631 06	10
Turners	55	309	2 98	920 82	10
Watchmen	3	306	1 67	511 02	10
Welt and turn room hands.....	12	230	2 50	575 00	10

BOXES (PAPER) — 8 ESTABLISHMENTS.

Box makers	18	297	\$1 19	\$353 43	10
Compositors	2	310	1 67	617 70	9.5
Cutters	13	306	1 57	480 42	10
Die maker	1	313	1 50	469 50	10
Drivers	2	308	1 49	458 92	10
Elevator operator	1	300	1 00	300 00	10
Ender	1	302	1 00	302 00	10
Gluers	16	299	83	248 17	10
Helpers	6	312	1 00	312 00	9.8
Laborers	2	275	50	137 50	10
Machine hands	3	283	1 17	331 11	10
Packer	1	307	1 00	307 00	9

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

BOXES (PAPER) — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Packers' helpers	4	300	\$0 57	\$171 00	10
Porter	1	307	1 00	307 00	9
Press feeders	6	312	92	287 04	9.8
Scorers	3	300	1 50	450 00	10
Shippers	1	300	90	270 00	10
Table worker	1	307	1 50	460 50	9

BOXES (WOODEN) — 15 ESTABLISHMENTS.

Barrel makers	3	300	\$2 00	\$600 00	10
Box makers	55	308	1 13	348 04	10
Cutter	1	295	1 66	489 70	10
Drivers	12	280	1 49	417 20	10
Engineers	4	299	2 25	672 75	10
Finishers	5	299	1 53	457 47	10
Firemen	4	300	1 43	429 00	10
Helpers	23	279	93	259 47	10
Laborers	48	299	1 29	285 71	10
Laborers (boys)	29	283	1 24	350 92	10
Machine hands	18	300	1 68	504 00	10
Mechanics	35	300	1 50	450 00	10
Nailers	66	286	1 63	466 18	10
Package makers	2	300	2 00	600 00	10
Planers	4	293	1 50	439 50	10
Printers	5	285	90	256 50	10
Sawyers	74	296	1 75	518 00	10
Saw filer	1	291	1 50	436 50	10
Watchman	1	306	1 64	501 84	10
Yard hands	2	300	1 50	450 00	10

BREAD AND OTHER BAKERY PRODUCTS — 17 ESTABLISHMENTS.

Bakers	98	309	\$2 08	\$642 72	10
Bakers' assistant	1	306	1 00	306 00	10
Bakers and helpers	99	304	1 86	565 44	9.8
Cooks	2	320	2 50	800 00	9
Coopers	6	303	1 47	445 41	9.7
Coopers' assistants	3	306	1 50	459 00	10
Cutter and mixer	1	234	1 50	351 00	8
Drivers	23	309	3 24	1,001 16	10
Engineers	10	303	2 46	745 38	10.2
Foreman	1	281	2 67	750 27	10
Helpers	10	293	1 47	430 71	9.7
Laborers	25	301	1 25	376 25	10
Laborers (boys)	10	234	40	93 60	8
Machine hands	2	306	2 00	612 00	10
Millers	2	306	2 50	765 00	12
Mixers	4	300	1 75	525 00	10
Mixers and helpers	7	301	1 75	526 75	10
Oven tenders	2	293	2 17	635 81	10
Oven tenders' assistant	1	306	1 00	306 00	10
Packers	7	308	1 59	489 72	10
Peeler	1	281	2 00	562 00	10
Porters	38	301	1 49	448 49	10
Teamster	1	281	1 58	443 98	10

BROOMS AND BRUSHES — 13 ESTABLISHMENTS.

Broom makers	56	296	\$1 19	\$352 24	9.7
Brush makers	20	314	1 76	552 64	10
Buncher	1	288	1 65	475 20	10
Driver	1	300	2 15	645 00	10
Laborer (boy)	1	260	50	130 00	10
Sewers	2	294	1 97	579 18	9.5
Sizers	3	292	80	233 60	9
Sorters	9	296	1 33	393 65	9.4
Tyers	4	288	2 00	576 00	9
Wire goods makers	32	307	1 72	528 04	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.
BUNGS—3 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bung sorters	20	291	\$0 60	\$174 60	10
Coopers	5	291	1 50	436 50	10
Drivers	2	291	1 75	509 25	10
Elevator hand	1	291	1 50	436 50	10
Fireman	1	291	2 00	582 00	10
Foreman	6	291	3 50	1,018 50	10
Inspector	1	291	3 50	1,018 50	10
Laborers	40	298	1 44	429 12	10
Machine hands	30	294	1 20	352 80	9.8
Machine hands' helpers	15	291	1 10	320 10	10
Machinists	5	291	2 35	683 85	10
Saw filer	1	291	2 00	582 00	10

CARRIAGES AND WAGONS—43 ESTABLISHMENTS.

Apprentice	1	307	\$0 50	\$153 50	10
Bench hands	19	280	1 60	448 00	10
Blacksmiths	444	276	2 38	656 88	9.2
Blacksmiths' helpers	34	299	1 41	421 59	9.6
Boxers	43	242	2 08	503 36	10
Craters	2	290	1 75	507 50	9
Drivers	13	292	1 53	446 76	9.2
Engineers	7	270	2 06	556 20	9.6
Finishers	2	205	1 01	207 05	7.5
Fireman	1	308	1 00	308 00	10
Foremen	4	290	3 50	1,015 00	8
Gear hands	8	278	1 98	550 44	9.5
Helpers	42	304	1 34	407 36	9.7
Horseshoers	3	302	1 67	504 34	9
Hostlers	3	205	1 33	272 65	8
Laborers	290	267	1 47	392 49	9.5
Laborers (boys)	15	280	1 80	224 00	10
Machine hands	40	266	1 65	338 90	10
Machinists	2	260	1 54	400 40	10
Mounters and boxers	29	282	1 78	501 96	9.6
Packers	83	291	1 67	485 97	9.4
Painters	861	265	2 16	572 40	9.2
Painters' helpers	2	275	1 25	343 75	10
Porters	3	273	1 25	341 25	10
Reed workers	20	306	1 60	489 60	10
Rubber tire maker	1	306	2 50	765 00	10
Shippers	10	277	1 75	484 75	10
Trimmers	578	268	2 35	629 80	8.2
Upholsters	4	306	2 00	612 00	10
Varnishers	60	306	2 00	612 00	10
Wagon makers	51	305	1 98	603 90	10
Ware room hands	64	249	1 59	395 91	9
Watchmen	2	313	1 50	469 50	11
Woodworkers	129	267	1 96	523 32	9.2

CARRIAGE AND WAGON MATERIALS—16 ESTABLISHMENTS.

Basket makers	4	300	\$1 00	\$300 00	10
Benders	2	290	2 00	580 00	10
Blacksmiths	7	275	2 21	607 75	9.6
Body makers	35	275	2 25	618 75	10
Buffers	17	251	1 83	459 33	9.8
Cabinet workers	20	200	1 50	300 00	8
Carpenter	1	300	1 25	375 00	10
Cutter	1	312	1 50	468 00	9
Driver	1	275	1 50	412 50	10
Engineers	2	256	2 07	529 92	9.5
Finishers	20	290	2 15	623 50	10
Fitters	34	290	2 00	580 00	10
Forgers	33	290	2 00	580 00	10
Glass bevelers	10	270	1 45	391 50	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
CARRIAGE AND WAGON MATERIALS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Grinders	48	273	\$1 99	\$543 27	8.2
Helpers	17	277	1 77	213 29	9.8
Japanners	6	237	1 07	253 59	9.3
Laborers	34	280	1 49	417 20	10
Laborers (boys)	3	250	60	150 00	10
Lamp makers	15	266	1 80	398 80	10
Machine hands	103	261	1 86	485 46	9.6
Machinists	6	260	2 28	592 80	9.7
Mill and bench workers	140	290	1 56	452 40	10
Packer	1	200	1 00	200 00	9
Painters	4	275	1 96	539 00	9.7
Piece workers	20	270	2 00	540 00	10
Platers	5	264	1 95	514 80	10
Pole workers	9	275	1 96	539 00	9.3
Press hand	5	275	1 50	412 50	10
Press operators (foot)	10	200	80	160 00	9
Press operators (power)	16	200	1 01	202 00	9
Shaft bolters	6	275	2 00	550 00	10
Shaft makers	6	275	1 82	500 50	9
Solderers	2	290	1 00	290 00	10
Spinner	1	250	1 50	375 00	10
Tack hands	4	300	75	225 00	10
Tool maker	1	290	3 00	870 00	10
Trimmers	10	295	1 93	569 35	9.8
Turners	7	296	2 13	630 48	10
Watchman	1	200	1 50	300 00	9
Wood workers	30	307	1 50	460 50	10

CIGARS — 67 ESTABLISHMENTS.

Apprentice	1	300	\$1 00	\$300 00	8
Bunch breakers	150	287	1 38	396 06	9.6
Casers	2	300	2 00	600 00	10
Cigar makers	320	298	1 81	539 38	8.3
Fillermen	5	280	1 50	420 00	8
Hand workers	22	306	1 73	529 38	8
Laborers	7	276	1 07	295 32	9.4
Packers	122	294	2 81	679 14	8.4
Rollers	275	292	1 67	437 64	8.4
Stogie makers	3	225	2 00	450 00	10
Strippers	97	292	60	175 20	8.5
Week hands	40	296	1 50	444 00	9

CLOTHING — 108 ESTABLISHMENTS.

Bushermen	23	289	\$2 18	\$630 02	9.4
Buttonhole makers	13	307	88	270 16	9.4
Clothing makers	18	308	2 75	847 00	8
Coat makers	144	297	2 55	757 35	9.5
Cutters	514	293	2 73	799 89	9.5
Cutters' helpers	16	284	96	272 64	9
Elevator men	4	301	1 12	337 12	9.7
Engineers	5	301	2 22	668 22	10
Errand boys	4	303	46	139 38	9.2
Examiners	17	302	1 00	302 00	9
Fitters	7	302	1 00	302 00	9
Foreman	1	305	2 50	762 50	9.5
Garment workers	50	300	1 25	375 00	9
Helpers	94	302	1 24	374 48	9
Ironer	1	310	2 00	620 00	10
Laborers	6	312	75	234 00	9
Laborers (boys)	4	297	63	187 11	9.2
Machine operators	138	307	2 63	807 41	9.5
Packers	8	300	1 62	486 00	9.8
Pant makers	82	301	2 10	632 10	9.3
Porters	20	294	1 85	543 90	9

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
CLOTHING — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Pressers	54	302	\$2 19	\$661 38	9.3
Receiver	1	308	2 75	847 00	9.5
Shipping clerks	4	305	2 12	646 60	9.6
Stock keepers	115	293	1 95	571 35	9
Stock boy	1	308	1 00	308 00	9.2
Tailors	484	301	2 05	617 05	9.5
Trimmers	78	300	1 97	591 00	9
Trimmers and cutters	15	308	4 00	1,232 00	8
Vest makers	47	301	2 15	647 15	9.4

COFFEE, BAKING POWDER AND SPICES — 8 ESTABLISHMENTS.

Baking powder makers	2	304	\$2 00	\$608 00	9
Drivers	5	309	1 58	488 22	9.4
Engineers	2	280	2 75	770 00	9.5
Hostler	1	310	1 50	465 00	9
Laborers	12	250	1 60	400 00	10
Miller	1	303	2 50	770 00	9
Mill helpers	2	308	1 50	462 00	9
Packers	6	307	1 42	435 94	9
Porters	7	307	1 44	442 08	9.4
Printers	2	308	1 00	308 00	9
Roasters	11	298	1 83	545 34	9.3
Spice grinders	2	309	1 75	540 75	9.5

COFFINS AND BURIAL CASES — 4 ESTABLISHMENTS.

Blacksmiths	10	306	\$2 78	\$840 68	.....
Box makers	2	306	1 50	459 00	.....
Buffers	20	306	1 42	434 52	.....
Cabinet makers	2	260	1 50	390 00	8
Cabinet makers and wood workers	86	295	1 98	584 10	9
Carpenter	1	306	3 25	994 50	.....
Casters	16	306	1 24	379 44	.....
Casting trimmers	6	306	50	153 00	.....
Cloth workers	27	295	1 48	436 60	9
Coffin makers	3	250	1 83	457 50	9
Elevator hands	3	306	1 23	376 38	.....
Engineers	2	306	2 75	841 50	.....
Engineers, firemen and pipe fitters	7	295	2 04	601 80	10
Fireman	1	306	1 75	535 50	.....
Glazier	1	306	2 00	612 00	.....
Helpers	19	306	61	186 66	.....
Janitor	1	306	1 50	459 00	.....
Laborers	24	299	1 71	511 29	10
Machinists	7	301	2 56	770 56	.....
Metal workers	182	295	1 43	421 85	9
Mold and die makers	5	295	3 71	1,094 45	10
Moulders	2	306	2 87	878 22	.....
Mounters	11	306	1 41	431 46	.....
Packers	5	306	1 84	563 04	.....
Painters	46	300	2 01	603 00	8
Pipe fitter	1	306	2 00	612 00	.....
Platers	2	306	3 00	918 00	.....
Teamsters	2	306	2 25	688 50	.....
Tinners	2	306	1 92	587 52	.....
Trimmers	2	306	2 38	728 28	.....
Varnishers	2	260	1 50	390 00	8
Watchmen	5	302	1 83	552 66	10
Wood workers	16	306	2 02	618 12	.....

CONFECTIONERY — 13 ESTABLISHMENTS.

Bakers	2	333	\$1 70	\$396 10	10
Candy makers	73	294	1 89	555 66	9.8
Candy makers' helpers	11	283	1 25	353 75	9.3
Draymen	5	322	1 18	379 96	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
CONFECTIONERY — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engineers	2	270	\$2 12	\$572 40	10
Foremen	5	305	2 55	777 75	10
Helpers	122	297	1 12	332 64	10
Ice cream makers	5	333	1 35	449 55	10
Laborers	4	240	1 50	360 00	10
Porters	3	326	1 23	400 93	10
Rollers	9	295	1 15	339 25	10
Spinners	9	295	2 00	590 00	10

COOPERAGE — 12 ESTABLISHMENTS.

Blacksmith	1	306	\$2 25	\$688 50	10
Carpenter	1	306	2 25	688 50	10
Coopers	282	267	2 03	542 01	8.8
Drivers	3	277	1 75	484 75	10
Engineers	7	245	2 82	610 90	8.8
Fireman	1	306	2 00	612 00	10
Foremen	4	306	3 00	918 00	10
Helpers	50	306	2 00	612 00	10
Laborers	115	253	1 39	351 67	8.5
Machine hands	152	266	2 71	720 86	9
Machinists	13	235	2 25	528 75	8
Teamsters	7	235	1 70	419 50	8
Watchman	1	306	2 00	612 00	10

COPPER AND BRASS GOODS — 22 ESTABLISHMENTS.

Apprentices	13	305	\$0 89	\$271 45	10
Brass workers	108	295	1 50	442 50	9.5
Buffers	15	295	2 00	590 00	9.5
Cabinet makers	6	308	1 50	462 00	10
Carpenters	2	304	1 67	507 63	10
Casting cleaner	1	312	1 50	468 00	10
Core makers	22	303	1 31	396 93	10
Chasers	2	308	3 50	1,078 00	10
Coppersmiths	57	308	2 70	831 60	9.2
Drivers	4	305	1 65	503 25	10
Engineers	8	305	2 44	744 20	10
Engraver	1	300	3 00	900 00	10
Errand boys	6	294	60	176 40	10
Etcher	1	300	2 50	750 00	10
Erector	1	312	2 25	702 00	10
Erector's assistant	1	312	1 50	468 00	10
Finishers	236	298	2 13	634 74	9.7
Fireman	1	298	1 67	497 66	10
Foremen	4	308	2 50	770 00	10
Foundry hands	3	308	2 25	693 00	10
Furnace tenders	3	303	1 68	509 04	10
Grinders	7	306	1 71	523 26	10
Helpers	61	305	1 41	430 05	9.5
Jewelers	5	300	1 50	450 00	10
Laborers	18	304	1 18	358 72	10
Laborers (boys)	4	300	75	225 00	10
Lathe hands	25	304	1 61	489 44	10
Machinists	28	309	1 79	553 11	10
Metal stamper	1	300	2 50	750 00	10
Moulders	76	300	2 26	678 00	9.9
Moulders' helpers	50	295	1 75	516 25	9.
Mounters	24	308	2 00	616 00	10
Packers	4	299	1 33	397 67	10
Pattern makers	5	302	2 60	785 20	10
Platers	20	300	1 97	591 00	10
Polishers	12	304	1 90	577 60	10
Polishers and buffers	23	298	1 50	447 00	10
Sheet iron workers	18	308	2 50	770 00	9
Shippers	3	308	2 00	616 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

COPPER AND BRASS GOODS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Tinners	7	305	\$1 63	\$497 15	10
Tool makers	4	305	2 75	838 75	10
Turners and spinners.....	6	308	1 75	539 00	10
Varnishers	20	308	1 35	415 80	10
Vise hands	48	302	1 94	585 88	9.6
Watchmen	2	297	1 83	543 51	10.7

COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 6 ESTABLISHMENTS.

Card cleaners	2	308	\$1 88	\$425 04	10
Carder	1	355	2 25	798 75	10
Card tenders	6	308	.65	200 20	10
Carpenters	2	327	2 13	696 51	10
Cutters	2	308	1 70	523 60	10
Dyer	1	300	2 50	750 00	10
Dyer's assistants	10	306	1 43	437 53	10
Dye room helpers.....	6	308	.80	246 40	10
Engineers	4	317	2 50	792 50	10
Errand boy	1	304	.70	212 80	9
Finishers	4	304	1 00	304 00	9
Fireman	1	355	1 50	532 50	10
Foremen	2	302	2 75	830 50	9.5
Knitters	21	303	.87	263 61	9
Machine hands	3	260	1 50	390 00	10
Machinist	1	308	3 00	924 00	10
Packers	7	304	.90	273 60	9
Picking room helpers.....	7	308	.90	277 20	9
Porter	1	300	1 50	450 00	10
Pressman	1	308	1 50	402 00	10
Rag picker tender.....	1	308	2 00	616 00	10
Sorters and helpers.....	1	308	2 00	616 00	10
Teamsters	2	331	1 50	496 50	10
Wage hands	7	300	.72	216 00	10
Warper	1	300	2 50	750 00	10
Watchmen	2	304	1 87	568 48	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 18 ESTABLISHMENTS.

Apprentice	1	306	\$0 50	\$153 00	9
Blacksmith	1	240	2 75	660 00	12
Bottler	1	309	1 42	438 68	10
Bottle washer	1	234	1 00	234 00	10
Box maker	1	309	2 00	618 00	10
Chemists	5	296	3 00	888 00	10
Compounders	22	300	1 60	480 00	.....
Dissolvers	2	240	2 10	504 00	12
Engineers	10	255	2 88	678 30	11
Envelope maker	1	300	2 00	600 00	10
Fillers	2	252	1 43	360 36	10
Finishers	3	294	2 09	614 46	9.3
Firemen	2	270	1 50	405 00	10
Helpers	20	304	.75	228 00	10
Hostlers	2	309	1 50	463 50	10
Laboratory men	6	306	2 06	630 36	9.7
Laborers	20	292	1 60	467 20	10.4
Packer	1	309	2 00	618 00	10
Paperer	1	234	1 50	351 00	10
Porter	1	270	1 50	405 00	10
Potmen, dissolvers, etc.....	31	289	2 03	586 67	10.4
Printers	8	306	1 18	361 08	10
Putty makers	3	300	1 30	390 00	9
Refiners	3	260	2 28	592 80	10
Smelter	1	300	2 50	750 00	8
Wrappers	2	234	1 50	351 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
ELECTRICAL GOODS AND SUPPLIES — 8 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	3	308	\$0 88	\$271 04	9.4
Armature winders	35	310	1 25	387 50	9.5
Assemblers	34	307	2 15	660 05	9.7
Bell boys	15	307	50	153 50	9.7
Blacksmiths	3	308	2 17	668 36	9.5
Boxers	5	307	1 75	537 25	9.5
Carpenter	1	307	1 75	537 25	9.5
Commutator department hands.....	32	307	2 41	739 87	9.7
Crane operators	3	307	2 00	614 00	9.7
Draughtsmen	15	307	3 50	1,074 50	8
Electrical repairers	5	310	2 30	713 00	10
Electricians	9	308	2 48	763 84	9.6
Engineer	1	310	2 50	775 00	10
Finishers	2	300	2 00	600 00	10
Foundry men	5	307	2 25	690 75	9.7
Hostlers	2	307	1 50	460 50	9.7
Laborers	39	308	1 44	443 52	9.6
Laborers (boys)	5	304	69	209 76	10
Machinists	133	308	2 22	683 76	9.6
Machinists' apprentices	2	308	1 10	338 80	9.3
Moulders	4	300	2 50	750 00	10
Novelty makers	6	295	1 25	363 75	10
Painters	10	307	1 64	503 43	9.8
Pattern makers	14	308	2 68	825 44	9.3
Plumbers	2	307	1 65	506 55	9.7
Porters	10	307	1 25	383 75	10
Punch department hands.....	19	307	1 25	383 75	9.7
Steam plant hands.....	4	307	2 50	767 50	12
Stock room hands.....	5	307	1 20	368 40	9.7
Testers	18	307	1 55	475 85	9.7
Tool department hands.....	12	307	2 95	905 65	9.7
Watchmen	2	307	1 50	460 50	12
Winding department hands.....	36	307	1 75	537 25	9.7

ELEVATORS AND HOISTING MACHINERY — 5 ESTABLISHMENTS.

Apprentice	1	300	\$1 00	\$300 00	9
Blacksmiths	4	301	2 50	752 50	9.5
Electrical workers	6	302	2 60	785 20	9
Engineer	1	302	2 50	755 00	9
Carpenters	38	301	2 36	710 36	9.4
Driver	1	302	1 75	528 50	9
Helpers	16	302	1 75	528 50	9
Laborers	22	301	1 35	406 35	9.4
Machinists	69	301	2 45	737 45	9.3
Millwrights	3	300	3 00	900 00	9
Painters	2	302	2 50	755 00	9
Polishers	2	302	2 25	679 50	9
Pattern maker	1	302	2 50	755 00	9

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 5 ESTABLISHMENTS.

Chemist	1	300	\$3 00	\$900 00	10
Engineer	1	307	3 33	1,022 31	10
Errand boy	1	300	1 00	300 00	9
Laborers	9	308	1 73	532 84	10
Mixer	1	300	2 50	750 00	9
Packers	2	303	1 75	530 25	10
Perfume makers	2	355	99	351 45	10
Porter	3	305	1 50	457 50	9.6

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

FILTERS — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Driver	1	308	\$2 00	\$616 00	10
Engineer	1	300	2 00	600 00	10
Laborers	9	300	1 50	450 00	10
Lathe hands	3	300	2 25	675 00	10
Machinists	5	308	1 75	539 00	10
Pottery men	5	308	1 50	462 00	10
Vise hands	7	304	1 82	553 28	10
Watchman	1	300	1 43	429 00	10

FLOURING MILL PRODUCTS — 3 ESTABLISHMENTS.

Engineers	3	235	\$2 62	\$615 70	10.6
Fireman	1	300	1 25	375 00	10
Hostler	1	180	1 65	297 00	10
Laborers	17	220	1 27	279 40	10
Millers	5	246	2 59	637 14	10.8
Teamsters	5	247	1 76	434 72	10
Packers	3	300	1 45	435 00	9
Warehouse men	4	300	1 40	420 00	9

FOUNDRY AND MACHINE SHOP PRODUCTS — 26 ESTABLISHMENTS.

Apprentices	28	282	\$0 96	\$270 72	9.6
Blacksmiths	17	294	2 35	690 90	9.8
Blacksmiths' helpers	5	300	1 60	480 00	10
Carpenters	22	293	2 37	694 41	10
Cast-iron cleaners and chippers	63	290	1 62	469 80	10
Core makers	106	290	2 36	684 40	9.8
Core makers' helpers and apprentices	15	304	85	258 40	10
Cupola tenders	16	287	2 25	645 75	10
Drivers	3	305	1 72	524 60	8.6
Die worker	1	307	2 50	767 50	10
Engineers	12	299	2 42	723 58	10
Finishers	33	310	2 00	620 00	10
Firemen	2	300	1 75	525 00	10
Foreman	1	305	3 33	1,015 65	8
Gas fitter	1	307	2 00	614 00	10
Grinders	3	304	1 50	456 00	10
Helpers	150	302	1 43	446 96	10
Iron workers	30	307	1 25	384 75	10
Japanner	1	304	2 25	684 00	10
Laborers	359	293	1 45	424 85	10
Laborers (boys)	15	306	67	205 02	10
Lathe hand	1	306	1 67	511 02	10
Machine hands	100	300	2 00	600 00	10
Machinists	76	274	2 38	652 12	9.6
Machinist's apprentice	1	307	1 00	307 00	10
Millwrights	6	269	2 42	650 98	9.5
Molder	600	296	2 77	819 92	10
Molders' apprentices	9	304	90	273 60	10
Molders and apprentices	40	283	2 55	721 65	8.7
Packers	15	305	93	283 65	10
Painters	3	307	1 25	383 75	10
Pattern carrier	1	306	1 50	459 00	10
Pattern filer	1	304	2 25	684 00	10
Pattern makers	14	289	2 75	794 75	9.7
Porters	3	307	1 25	383 75	10
Press drillers	8	304	1 25	380 00	10
Pressmen	6	307	1 25	383 75	10
Punchers and helpers	8	307	50	153 50	10
Riveters	8	307	1 38	423 66	10
Scale makers	4	300	1 75	525 00	10
Screw machine hands	33	300	1 00	300 00	10
Stock keeper	1	307	75	230 25	10
Shop hands	5	308	1 55	477 40	9
Timekeeper	1	306	2 50	765 00	10
Vise hands	3	304	75	228 00	10
Watchmen	5	299	1 69	505 31	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued,
FURNITURE — 47 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentice	1	287	\$0 75	\$215 25	9.5
Assemblers	3	275	1 75	481 25	10
Buffers	8	275	1 75	481 25	10
Coat makers	419	307	1 98	607 86	10
Carmen	9	300	1 75	525 00	10
Carvers	65	297	2 19	650 43	10
Chairmakers	43	293	1 69	495 17	10
China decorators	2	270	2 75	742 50	10
Cot makers	2	225	1 50	337 50	10
Cutter	1	307	3 00	921 00	9.5
Engineers	17	304	1 97	598 88	10
Errand boys	14	297	60	178 20	10
Finishers	158	300	1 49	447 00	9.8
Firemen	3	321	1 55	497 55	10
Foreman	1	300	3 00	900 00	9
Frizzer	1	300	2 00	600 00	10
Furniture workers	160	300	1 73	519 00	10
Glazier	1	300	1 73	519 00	10
Helpers	2	300	50	150 00	9
Iron bed makers	16	275	1 75	481 25	10
Laborers	63	311	1 27	394 97	10
Laborers (boys)	13	298	77	229 46	9.7
Lacquerers	4	275	1 75	481 25	10
Letter file makers	65	300	1 75	525 00	10
Lumbermen	2	300	1 65	495 00	10
Machine hands	411	312	1 83	570 96	10
Machinists	10	275	2 00	550 00	10
Mattress makers	5	305	1 43	436 15	10
Metal worker	1	309	2 00	618 00	10
Mill hands	90	299	1 81	541 19	10
Molder	1	275	1 75	481 25	10
Packers	68	303	1 33	402 99	10
Platers	3	272	2 17	590 24	10
Porters	3	275	1 40	385 00	10
Polishers	11	319	2 02	644 38	10
Rubbers	12	308	1 83	563 64	10
Sawyers	4	300	1 67	501 00	10
Teamsters	14	305	1 73	527 65	10
Turner	1	225	1 50	337 50	10
Upholsterers	165	294	1 88	552 72	9.6
Upholsterers' apprentice	1	300	50	150 00	10
Varnishers	294	305	1 56	475 80	10
Watchman	1	360	2 67	601 20	10
Wood turners	3	300	2 33	699 00	10
Wood workers	16	278	1 50	417 00	.....

FURS — 2 ESTABLISHMENTS.

Curlers and setters	2	250	\$3 33	\$832 50	9
Cutter	1	300	4 00	1,200 00	9
Finisher	5	250	2 26	565 00	9
Furrier	1	300	2 00	600 00	9

GUNPOWDER AND OTHER EXPLOSIVES — 2 ESTABLISHMENTS.

Ammunition makers	220	310	\$1 45	\$449 50	10
Blacksmith	1	310	2 25	697 50	10
Carpenters	8	310	1 66	514 80	10
Electricians	3	310	2 05	635 50	10
Engineers	2	310	2 00	620 00	10
Farmer	1	310	1 50	465 00	10
Firemen	6	310	1 66	514 60	10
Laborers	41	310	1 38	427 80	10
Machinists and helpers	18	310	2 12	657 20	10
Mason	1	310	3 00	980 00	10
Master mechanic	1	310	3 75	1,162 50	10
Painters	2	310	1 62	502 20	10
Powder markers	45	310	1 63	505 80	10
Teamsters	12	310	1 40	434 00	10
Watchmen	18	310	1 87	579 70	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
HARDWARE — 4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	7	300	\$1 00	\$300 00	10
Assemblers	5	250	1 60	400 00	10
Blacksmiths	3	302	2 25	679 50	10
Blacksmiths' helpers	2	303	1 30	333 90	10
Butfers	2	305	1 25	381 25	10
Carpenter	1	303	2 00	606 00	10
Core makers	2	300	1 50	450 00	10
Die sinkers	3	303	2 25	681 75	10
Drivers	2	303	1 75	530 25	10
Engineers	3	284	2 38	675 92	10
Finishers	3	301	1 75	526 75	10
Hammermen	19	303	2 00	606 00	10
Helpers	2	305	50	152 50	10
Laborers	90	291	1 38	401 58	10
Laborers (boys)	25	303	85	257 55	10
Locksmiths	24	300	2 25	675 00	10
Machinists	11	269	1 80	484 20	10
Molders	3	300	2 50	750 00	10
Polishers	4	300	2 50	750 00	10
Platers	4	250	1 75	437 50	10
Trimmers	3	303	2 00	606 00	10
Tinners	7	250	2 00	500 00	10
Watchmen	2	276	1 60	441 60	11
Woodworkers	15	250	2 05	512 50	10
Wrapper	1	305	50	152 50	10

HARNESS AND SADDLERY — 12 ESTABLISHMENTS.

Blacksmiths	20	300	\$2 00	\$600 00	10
Collar makers	89	298	1 77	518 60	10
Finishers	12	300	1 50	450 00	10
Harness makers	229	294	1 83	538 02	10
Laborers	17	300	1 10	330 00	10
Painter	1	300	1 50	450 00	10
Platers	2	300	1 50	450 00	9
Saddle makers	48	278	1 99	553 22	9.8
Saddle-tree makers	3	300	1 50	450 00	9
Sawyer	1	300	1 50	450 00	9
Wood workers	13	300	1 75	525 00	10

HATS, CAPS AND FURNISHINGS — 13 ESTABLISHMENTS.

Apprentice	1	300	\$0 75	\$225 00	9
Blockers	13	325	1 90	617 50	9
Cap makers	36	337	1 65	556 05	8.5
Cutters	19	299	2 19	654 81	9
Dyer	1	312	2 00	624 00	9
Errand boy	1	300	50	150 00	9
Stock keeper	2	251	2 12	532 12	8
Hat makers	3	300	1 00	300 00	8
Laborers	8	306	1 50	459 00	9.5
Machine hands	16	302	1 73	522 46	10
Neckwear makers	5	250	1 50	375 00	9
Operators	2	300	2 00	600 00	9.7
Packers	5	340	1 00	340 00	8.4
Pressers	3	191	1 80	343 80	9.6
Shippers	2	308	1 00	308 00	10
Suspender makers	3	300	2 00	600 00	9

ICE (ARTIFICIAL) — 5 ESTABLISHMENTS.

Engineers	10	269	\$2 63	\$707 47	10.4
Firemen	13	291	1 73	503 43	10.3
Helpers	5	365	1 80	657 00	12
Ice pullers	6	150	1 50	225 00	10
Laborers	5	264	1 35	356 40	10.8
Tankmen	14	327	1 68	549 36	10.3

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
INKS — 3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Coopers	2	312	\$2 10	\$655 20	10
Engineer	1	310	2 75	852 50	10
Ink grinders	85	310	2 41	747 10	10
Mill hands	12	310	1 12	347 20	10
Shipping clerk	1	310	1 00	310 00	10
Varnish maker	1	310	3 00	930 00	10

IRON (STRUCTURAL AND ARCHITECTURAL) — 10 ESTABLISHMENTS.

Blacksmiths	14	303	\$2 68	\$812 04	9
Blacksmiths' helpers	2	298	1 25	372 50	9
Carpenters	10	308	2 25	693 00	8
Driver	1	296	1 50	444 00	9
Erectors	19	304	2 80	851 20	9.6
Erectors' assistants	30	313	2 25	704 25	10
Draughtsmen	6	304	3 66	1,112 64	10
Draughtsmen and assistants	6	313	2 00	626 00	10
Finishers	67	303	2 38	721 14	9
Helpers	69	305	1 34	408 70	9
Iron workers	214	308	2 12	652 96	9.7
Laborers	90	303	1 37	415 11	9.3
Laborers (boys)	4	250	1 00	250 00	9
Machinists	20	307	2 22	681 54	9.5
Mechanics' assistants	60	313	1 37	428 81	10
Shipper	1	301	1 50	451 50	9
Tool room hands	1	301	2 00	602 00	9
Wire workers	5	250	2 00	500 00	9

JEWELRY — 15 ESTABLISHMENTS.

Case turner	1	150	\$3 00	\$450 00	8
Engravers	20	269	2 71	748 99	9.6
Finishers	3	255	2 33	594 15	9.3
Helpers	10	300	3 00	900 00	9
Jewelers	50	274	2 34	641 16	10
Jewelers' assistants	6	312	2 50	780 00	10
Jobbers	4	291	1 62	471 42	9.7
Jointers	7	275	2 61	717 75	9.7
Laborer (boy)	1	312	50	156 00	10
Medal maker	1	300	3 00	900 00	10
Melters	2	295	2 50	737 50	10
Polishers	6	274	2 44	668 56	9.8
Repairer	1	265	1 50	397 50	9
Ring makers	6	303	2 46	745 38	9.5
Rollers	2	308	2 00	616 00	10
Setters, diamond	2	300	3 50	1,050 00	9
Setters, jewelers and polishers	18	303	2 00	606 00	10
Silversmiths	1	300	6 00	1,800 00	9
Springers	4	268	2 37	635 16	9.5
Turners	6	307	2 53	776 71	10

LEATHER — 15 ESTABLISHMENTS.

Assorters	2	306	\$2 00	\$612 00	9
Bark grinders	36	296	1 02	301 92	7
Beam hands	170	295	1 59	469 05	9
Belt makers	15	311	1 70	528 70	9.8
Blacksmiths	3	296	2 00	592 00	10
Boilermaker	1	306	2 67	817 02	10
Buffers	3	306	1 50	459 00	10
Carpenters	7	296	2 50	740 00	10
Curries	234	296	1 77	523 92	9.2
Cutter	1	313	3 00	939 00	10
Door boys	4	296	85	251 60	10
Dryers	3	280	1 66	464 80	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

LEATHER — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engineers	10	296	\$2 06	\$609 76	10
Engineers and firemen.....	14	296	2 00	592 00	12
Errand boy	1	306	58	177 48	10
Finishers	12	298	1 84	548 32	9.5
Grainers	29	297	2 20	653 40	9
Helpers	5	300	1 55	465 00	9
Japan house hands	209	296	1 80	532 80	9
Laborers	60	287	1 47	421 89	10
Loft hands	35	296	1 05	310 80	7
Painters	2	306	2 12	648 72	10
Pipe fitters	5	296	1 67	494 32	10
Patcher	1	306	1 75	535 50	10
Rollers	26	296	1 76	520 96	9
Scourers	23	296	1 50	444 00	9
Scrapers	9	313	1 10	344 30	10
Shippers	34	296	1 35	399 60	9
Softeners	2	306	1 87	572 32	10
Splitters	46	297	2 70	901 90	9
Strap makers	6	313	85	266 05	10
Stuffers	2	306	1 67	511 02	10
Stuffers	6	300	1 83	549 00	10
Tackers	4	306	1 00	306 00	10
Tackers (boys)	50	296	83	245 68	9
Tanners	24	310	1 60	496 00	10
Teamster	13	297	1 70	504 90	10
Watchmen	2	306	1 75	535 50	12
Wheel stuffers	2	300	2 00	600 00	10
Whiteners	3	300	2 25	675 00	10
Yard hands	101	295	1 35	398 25	8.6

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 17 ESTABLISHMENTS.

Apprentices	4	306	\$1 12	\$342 72	9
Artists	62	255	4 17	1,063 35	8
Artists and engravers	45	302	5 69	1,718 38	8
Backer	1	300	2 00	600 00	9
Binders, cutters, etc.....	26	302	90	271 80	9
Blocker	1	300	2 00	600 00	9
Bronzer	1	300	1 00	300 00	9
Builder	1	300	2 50	750 00	9
Compositors	27	303	3 23	978 69	9
Cutters	31	237	1 35	319 95	9
Cutters' assistants	2	306	1 25	382 50	9
Draughtsmen	1	275	3 00	825 00	8
Embossor	1	300	1 25	375 00	10
Engineers	2	304	3 17	963 68	9.5
Engravers	40	293	2 49	729 57	8.3
Errand boys	3	304	50	152 00	9
Etchers	4	225	3 35	753 75	9
Feeders	35	304	1 17	355 68	9
Finishers	19	300	2 64	792 00	9
Grainers	7	225	2 68	603 00	9
Helpers	2	300	2 00	600 00	9
Ink grinder	1	302	2 33	703 66	9
Job department hands	7	225	1 92	207 00	9
Laborers	28	305	1 04	317 20	9.8
Laborers (boys)	14	303	61	184 83	8
Lithographers	23	305	3 15	960 75	9
Mechanics	16	313	2 15	672 95	8
Molders	10	300	1 60	480 00	9
Pasters	8	302	1 86	561 72	9
Photographers	5	296	2 12	627 52	8
Porters	3	306	1 50	459 00	10
Pressmen	33	304	3 44	984 96	9
Pressmen's assistants	2	306	1 50	459 00	9
Press boys	33	305	55	167 75	9
Press room hands	66	225	1 75	393 75	9
Prover	1	300	4 25	1,275 00	9

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Shippers	2	302	\$2 21	\$667 42	9
Stone grinders	17	302	2 10	634 20	9
Transferers	25	305	2 85	869 25	9.3
Transferers' assistant	1	300	1 50	450 00	9
Watchmen	1	302	2 90	875 80	13

MACHINERY — 55 ESTABLISHMENTS.

Apprentices	169	299	\$0 84	\$251 16	9.6
Assemblers	4	200	1 75	350 00	10
Bench hands	17	301	2 26	680 26	9.5
Blacksmith helper	1	305	1 50	457 50	9.5
Boilermakers	2	299	1 98	592 02	9.5
Boxer	1	300	1 50	450 00	10
Brass workers	5	300	1 75	525 00	10
Burr dressers	3	307	2 00	614 00	10
Cabinet makers	12	295	2 40	708 00	10
Carpenters	29	297	2 25	668 25	9.5
Core makers	6	300	1 83	549 00	10
Coppersmith	1	300	2 70	810 00	9
Cupola tender	1	300	1 75	525 00	10
Draughtsmen	29	296	2 65	784 40	9.2
Enamelers	4	200	1 75	350 00	10
Engineers	13	302	2 17	655 34	9.8
Errand boys	5	283	50	141 50	9.7
Finishers	10	300	2 00	600 00	10
Foremen	3	287	3 39	972 93	9.5
Foundrymen	15	300	1 35	405 00	10
Helpers	39	298	1 35	402 30	9.8
Iron workers	4	306	2 00	612 00	10
Laborers	172	297	1 36	403 92	9.7
Laborers (boys)	2	299	70	209 30	9.5
Lathe hands	3	250	1 67	417 50	10
Machinists	1,218	296	2 23	660 08	9.6
Machine hands	33	266	1 57	417 62	10
Machinists' apprentices	22	296	68	201 28	10
Machinists' helpers	4	303	1 75	530 25	9
Mechanics	1	275	1 33	365 75	10
Millwrights	13	299	2 28	681 72	9.4
Molders	34	298	2 73	217 54	10
Painters	56	299	1 63	502 32	9.6
Pattern makers	34	298	2 58	768 84	9.6
Pipe fitters	25	269	2 67	718 23	8.3
Polishers	4	221	2 11	466 31	10
Porters	3	300	1 25	375 00	9.7
Printer	1	300	1 25	375 00	10
Sawyers	2	300	1 75	525 00	10
Sheet iron workers	8	300	2 35	705 00	10
Stock keeper	1	300	1 50	450 00	9
Stone dresser	1	300	2 25	675 00	10
Teamsters	6	302	1 60	483 20	9.8
Timekeepers (boys)	2	300	90	270 00	10
Tinners	4	300	2 00	600 00	9.5
Tool maker	1	200	2 50	500 00	10
Tool makers (boys)	3	300	60	180 00	9.5
Varnisher	1	280	4 50	1,260 00	10
Vise hands	4	200	1 50	300 00	10
Watchmen	4	302	1 94	585 88	10
Wood workers	35	302	2 10	634 20	10

MALT — 4 ESTABLISHMENTS.

Foreman	1	175	\$2 25	\$393 75	10
Laborers	6	29	1 71	49 59	10
Maltsters	56	229	1 79	409 91	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
MARBLE AND GRANITE — 8 ESTABLISHMENTS.

Occupation — Male,	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	2	300	\$2 25	\$675 00	9
Coopers	3	250	2 00	500 00	10
Cutters	39	291	2 27	660 57	9.7
Draymen	2	245	1 88	460 00	10
Engineers	6	273	2 42	660 6.	9.8
Fireman	1	300	1 50	450 00	10
Helpers	2	250	1 50	375 00	9
Laborers	25	284	1 50	426 00	10
Letterers	2	300	3 00	900 00	9
Machine hands	4	250	1 75	437 50	10
Machinists	2	300	2 50	750 00	10
Mill hands	2	300	2 00	600 00	10
Packers	2	250	1 50	375 00	10
Polishers	66	283	1 77	500 91	10
Rubbers	18	289	2 35	679 15	10
Sawyers	3	247	2 00	494 00	10
Sculptor	1	300	3 00	900 00	9
Setters	12	292	2 75	803 00	9.2
Turner	1	300	2 50	750 00	9

MATTRESSES AND PILLOWS — 7 ESTABLISHMENTS.

Bed makers	16	301	\$1 00	\$301 00	10
Cot makers	5	301	1 00	301 00	10
Drivers	4	309	1 79	553 11	10
Engineer	1	309	3 00	927 00	12
Feather workers	25	309	1 75	540 75	10
Finishers	6	200	1 60	320 00	9
Foreman	1	300	2 50	750 00	10
Helper	1	300	1 25	375 00	9
Laborer (boy)	1	303	1 00	308 00	10
Machinists	2	301	2 00	602 00	10
Mattress makers	7	305	2 08	634 40	10
Metal workers	4	301	1 25	376 25	10
Packers	3	301	1 25	376 25	10
Porter	1	300	2 16	648 00	10
Spring makers	16	301	80	240 80	10

MOULDINGS AND FRAMES — 8 ESTABLISHMENTS.

Artists	5	300	\$2 50	\$750 00	10
Carpenters	2	283	1 50	424 50	10
Castors	2	225	1 00	225 00	10
Cabinet makers	11	317	2 00	634 00	10
Bronzers	2	280	1 50	420 00	10
Drivers	2	298	1 62	482 76	10
Engineers	6	299	2 50	747 50	10
Finishers and bronzers	29	281	1 66	466 46	10
Fireman	1	230	1 50	420 00	10
Fitters	15	293	1 41	413 13	10
Foreman	1	280	3 00	840 00	10
Gilders	115	295	1 67	492 65	10
Helpers (boys)	3	225	60	135 60	10
Joiners	38	272	1 38	375 36	10
Laborers	43	308	1 23	378 84	10
Lacquerers	29	297	1 67	466 29	10
Machine hands	12	310	1 60	496 00	10
Ornameters	64	292	1 38	402 96	10
Ornameters' helpers	10	230	75	210 00	10
Packers and fitters	17	293	1 72	503 96	10
Polishers	20	300	1 60	450 00	10
Porter	1	283	1 25	353 75	10
Preparers	5	300	1 75	525 00	10
Sawyer	1	225	2 00	450 00	10
Silver layers	2	300	1 75	525 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

MOULDINGS AND FRAMES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Trimmers	5	280	\$1 66	\$464 80	10
Varnishers	15	317	1 50	475 50	10
Whiting room hands.....	3	280	2 00	560 00	10
Whiting room hands' helpers.....	5	280	1 00	280 00	10
Wood workers	41	301	1 66	499 66	10

OIL CLOTH AND WINDOW SHADE CLOTH—2 ESTABLISHMENTS.

Laborers	6	300	\$1 50	\$450 00	10
Packers	5	300	1 50	450 00	10
Paint mixers	2	300	1 50	450 00	10
Shade painters	22	300	1 57	471 00	10
Shipping clerk	1	300	1 50	450 00	10

OIL AND GREASE—8 ESTABLISHMENTS.

Carpenter	1	305	\$2 00	\$610 00	10
Coopers	3	307	1 72	528 04	10
Drivers	5	306	2 00	612 00	8
Engineers	6	302	2 73	824 46	11
Extractors	2	300	2 75	825 00	12
Fat buyer	1	312	3 00	936 00	10
Firemen	3	302	2 00	604 00	11
Foremen	2	307	2 25	690 75	9
Laborers	111	274	1 47	402 78	10
Watchmen	3	297	1 80	534 60	11

PAINTS AND VARNISHES—13 ESTABLISHMENTS.

Burners	9	300	\$2 00	\$600 00	10
Casters	2	300	2 70	810 00	10
Chemists	3	313	8 00	2,504 00	8
Coopers	3	312	1 77	552 24	10
Engineer	1	270	4 00	1,080 00	10
Engineer's helpers	3	270	2 00	540 00	10
Engineer (mechanical)	1	300	7 70	2,310 00	10
Foreman	1	300	3 66	1,098 00	10
Helpers	2	300	1 75	525 00	10
Hostlers	6	300	2 00	600 00	10
Laborers	128	296	1 64	485 44	9.5
Laborers (skilled)	24	270	2 00	540 00	10
Mill hands	39	300	2 13	639 00	10
Paint grinder	1	100	2 00	200 00	10
Paint makers	4	260	2 50	650 00	9
Shipping clerk	1	300	2 00	600 00	9
Stillmen	2	312	2 08	648 96	12
Tarred felt makers.....	2	312	1 83	570 96	10
Varnish makers	5	300	2 32	696 00	9
Yard men	39	300	2 00	600 00	10

PATTERNS AND MODELS—11 ESTABLISHMENTS.

Apprentices	5	204	\$0 91	\$185 64	9.8
Bench hands	8	300	3 25	975 00	9
Die and tool maker.....	1	140	3 00	420 00	10
Foreman	1	300	3 00	900 00	9
Helpers	3	300	1 00	300 00	9
Machine hands	42	305	1 85	564 25	9
Machinist	1	140	2 75	385 00	10
Model maker	1	140	3 50	490 00	10
Painters	3	305	1 80	549 00	9
Pattern filers	10	300	2 25	675 00	9
Pattern makers	41	296	2 99	885 04	9
Perforator	1	303	2 00	606 00	9.5
Shippers	9	305	1 19	362 95	9

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.
PIANOS AND OTHER MUSICAL INSTRUMENTS—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Action makers	37	300	\$1 17	\$351 00	10
Cabinet makers and wood workers.....	80	300	1 55	465 00	10
Case department hands.....	2	305	2 16	658 80	10
Engineers	3	302	2 77	836 54	10
Foremen	4	305	3 54	1,079 70	10
Key department hands.....	7	305	1 73	527 65	10
Laborers	19	304	1 55	471 20	10
Machine hands	36	300	1 40	420 00	10
Mill department hands.....	19	305	1 70	518 50	10
Piano makers	125	302	1 53	562 06	10
Piece workers	36	305	1 64	500 20	10
Porters and drivers.....	5	300	1 60	480 00	10
String maker	1	300	1 25	375 00	10
Time workers	21	305	1 74	530 70	10
Varnishers	114	302	1 63	492 26	10
Yard men	3	300	1 35	405 00	10

PICKLES, PRESERVES AND SAUCES—6 ESTABLISHMENTS.

Bottlers	15	300	\$1 00	\$300 00	10
Box department hands.....	8	300	83	249 00	10
Capper	1	148	1 75	259 00	10
Cook	1	148	4 00	592 00	9
Cook's assistant	1	148	2 00	296 00	10
Engineers	3	223	2 08	463 84	10
Fireman	1	300	2 25	675 00	10
Helpers	2	223	1 25	278 75	10
Laborers	40	300	1 33	399 00	10
Laborers (boys)	2	300	60	480 00	10
Picklers	44	253	1 75	442 75	10
Preserve and jelly makers.....	20	300	1 00	300 00	10
Processors	3	198	2 00	396 00	10
Teamsters	3	300	1 33	399 00	10
Tipper	1	148	1 75	259 00	10
Watchman	1	148	1 67	247 16	12

PLATING—2 ESTABLISHMENTS.

Buffers	10	300	\$2 72	\$816 00	10
Burnishers	9	300	2 26	678 00	9.8
Casters	5	300	2 00	600 00	10
Driver	1	304	1 50	456 00	9
Engineer	1	300	2 50	750 00	10
Engravers	7	300	1 75	525 00	10
Helper	1	304	1 50	456 00	9
Laborers	91	300	1 00	300 00	10
Mold makers	4	300	2 75	825 00	10
Packers	2	300	2 00	600 00	10
Platers	7	301	2 10	632 10	9.7
Polishers	8	302	2 29	691 58	9.6
Solderers	27	300	2 75	825 00	10
Spinners	12	300	2 85	855 00	10
Stock clerk	1	300	4 00	1,200 00	10
Wrappers	2	300	1 00	300 00	10

PLUMBING, STEAM AND GAS FITTING SUPPLIES—3 ESTABLISHMENTS.

Cabinet makers	16	330	\$1 75	\$577 50	10
Crane men	7	308	1 25	385 00	10
Draughtsmen	4	313	3 62	820 06	8
Driver	1	330	1 75	577 50	.....
Enamellers	4	308	2 25	693 00	10
Engineer	1	330	2 50	825 00	10
Fitters and packers.....	16	330	1 50	495 00	10
Foremen	2	330	5 00	1,650 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
PLUMBING, STEAM AND GAS FITTING SUPPLIES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Foundry hands	9	330	\$2 00	\$660 00	10
Helpers	7	308	1 25	385 00	10
Laborers	28	314	1 39	436 46	10
Lathe hands	17	330	1 25	412 50	10
Machine hands	13	330	1 50	495 00	10
Moulders	10	308	4 00	1,232 00	10
Moulders' helpers	10	308	1 25	385 00	10
Nickel platers and buffers	10	330	1 75	577 50	10
Powder boys	4	308	85	261 80	10
Rubbers	7	308	2 00	616 00	10
Steam fitters	30	228	3 28	747 84	8
Steam fitters' helpers	35	313	1 68	525 84	8
Table men	4	308	1 45	446 60	10
Varnishers	14	330	1 00	330 00	10

PRINTING AND BINDING — 95 ESTABLISHMENTS.

Apprentices	18	299	\$0 92	\$275 08	9.4
Artists	20	305	3 95	1,204 75	8.2
Binders	145	302	1 12	338 24	9.3
Bindery boys	3	300	75	225 00	9
Box makers	12	299	1 06	311 54	9
Box and embossing department hands	29	303	1 60	484 80	9
Canvassers	15	306	2 25	688 50	8
Carpenter	1	308	2 50	770 00	9.5
Case makers	2	289	2 50	722 50	10
Coaters	40	304	1 31	398 24	9
Collector	1	306	2 00	612 00	8
Compositors	562	302	2 27	635 54	9
Compositors' apprentices	5	278	91	252 98	8.8
Cutters	62	303	1 58	478 74	9
Cutters' assistant	1	312	60	187 20	10
Driver	1	300	1 50	450 00	9.5
Electricians	2	308	2 00	616 00	9.5
Electro platers	6	310	2 00	620 00	9.5
Electrotypers	8	309	2 05	633 45	9.5
Electrotype foundry hands	8	308	2 67	822 36	9.5
Elevator hands	2	307	1 50	460 50	9.8
Engineers	13	303	2 67	809 01	9.3
Engine room and elevator hands	6	303	2 50	757 50	9
Engravers	27	305	2 73	832 65	8.7
Engravers and etchers	72	303	2 25	681 75	8
Errand boys	26	296	50	148 00	9
Feeders	215	302	1 15	347 30	9.2
Feeders (boys)	3	300	70	210 00	10
Finishers	53	303	1 81	548 43	9
Fireman	1	308	1 83	563 64	9.5
Folders	8	269	79	212 51	9
Foremen	7	295	3 45	1,017 75	9.8
Forwarders	15	296	32	686 72	9.7
Foundry men	28	303	2 75	833 25	9
Gatherers	3	304	1 50	456 00	9
Gilder	1	289	4 00	1,156 00	10
Helpers	2	303	1 50	454 50	9.5
Helpers (boys)	32	299	82	245 18	9
Ink department and laundry hands	9	303	1 75	530 25	9
Janitors	4	308	1 71	526 68	9.5
Job department hands	19	303	1 50	454 50	9
Laborers	35	303	1 39	421 17	9.3
Laborers (boys)	16	288	67	192 96	9.5
Linotype operators	14	299	3 94	1,173 06	8
Machinists	32	304	2 06	626 24	9
Mailers	20	308	93	286 44	9.6
Make-up department hands	12	303	2 25	681 75	9
Marbler	1	289	3 00	867 00	10
Numberer	1	278	44	122 32	8.5
Painters	2	308	2 16	665 28	9.5

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
PRINTING AND BINDING — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Porters	12	302	\$1 73	\$522 46	9
Photo engravers	5	306	2 00	612 00	9
Pressmen and feeders.....	20	309	1 83	565 47	9
Pressmen	348	267	1 86	496 62	9
Proof reader	1	306	3 00	918 00	8
Receiving department hands.....	9	303	1 50	454 50	9
Rulers	14	291	2 46	715 86	9.6
Shippers	19	303	1 63	493 89	9
Solicitors	5	306	3 50	1,071 00	8
Stamper	1	289	3 00	867 00	10
Sutcher	1	320	50	160 00	9
Stock room hands.....	4	307	1 50	460 50	9.5
Teamster	1	308	2 08	640 64	9.5
Watchmen	2	308	2 16	665 28	9.5

PRINTERS' ROLLERS — 2 ESTABLISHMENTS.

Mechanics	2	312	\$2 50	\$780 00	8
Roller makers	3	300	1 75	525 00	9

PUMPS AND WATER-WHEELS — 2 ESTABLISHMENTS.

Blacksmiths	3	253	\$2 75	\$695 75	10
Carpenters	3	253	2 50	632 50	10
Electricians	2	253	1 75	442 75	10
Engineers	2	253	2 50	632 50	10
Laborers	15	253	1 50	379 50	10
Machinists' apprentices	50	253	55	139 15	10
Mechanics (skilled)	155	253	2 55	645 15	10
Mechanics (unskilled)	85	267	1 49	397 83	10
Painters	3	253	1 50	379 50	10
Pattern makers	11	253	3 00	759 00	10
Watchmen	2	253	1 50	379 50	10

REGALIA — 7 ESTABLISHMENTS.

Apprentice	1	153	\$1 00	\$153 00	5
Artist	1	250	2 35	587 50	9
Cap maker	1	300	3 00	900 00	10
Coat maker	1	150	1 75	262 50	7
Cutters	4	253	3 25	822 25	9
Embossers	4	302	2 50	755 00	8.5
Errand boy	1	250	75	187 50	9
Foreman	1	306	3 00	918 00	10
Lantern slide maker.....	1	300	3 00	900 00	8
Leather workers	7	300	2 25	675 00	10
Painters and designers.....	4	300	2 50	750 00	10
Pant maker	1	150	1 75	262 50	7
Porter	1	220	83	182 60	10
Pressers	2	306	2 50	765 00	10
Printer	1	250	1 50	375 00	9
Regalia makers	2	295	2 50	737 50	9
Tailors	17	296	2 47	731 12	9.4
Trunk makers	2	300	2 00	600 00	10
Vest maker	1	150	1 75	262 50	7

ROOFING (IRON, STEEL AND TIN) — 6 ESTABLISHMENTS.

Cornice cutter	1	307	\$3 00	\$921 00	9
Cornice makers	29	302	2 25	679 50	9
Foremen	3	310	2 50	775 00	10
Laborers	12	285	1 30	370 50	9.3
Mechanics	13	247	2 34	577 98	9
Roofers	2	307	3 00	921 00	9
Shop hands	10	300	1 50	450 00	10
Tinners	2	306	2 50	765 00	8

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
 SAFES, VAULTS AND LOCKS — 7 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	20	302	\$2 00	\$604 00	9.8
Box makers	10	300	2 20	660 00	10
Burglar proof workers.....	2	280	2 50	700 00	9
Cabinet makers	7	305	1 82	555 10	9
Cabinet makers	7	305	1 82	555 14	9
Carpenters	10	300	2 39	717 00	9
Carpenters' helper	1	300	1 00	300 00	9
Door makers	7	300	2 14	642 00	9
Drillers (boys)	15	300	60	180 00	9
Engineers	3	296	2 17	642 32	9.5
Fitters	2	300	2 50	750 00	10
Helpers	5	280	1 50	420 00	9
Iron straighteners	5	292	1 93	563 56	9.6
Laborers	51	300	1 64	492 00	10
Laborers (boys)	2	300	33	99 00	10
Lathe hands	3	300	2 38	714 00	10
Lock makers	2	300	2 00	600 00	10
Lock setters	8	295	2 12	625 40	9.8
Locksmiths	12	300	2 35	705 00	10
Locksmiths' helpers	3	300	95	285 00	10
Machinists	44	297	1 69	501 93	9.5
Mechanics	1	300	1 50	450 00	10
Ornamenters	2	280	2 25	630 00	9
Packer	1	300	1 65	495 00	10
Painters	64	305	2 27	692 35	9.4
Plater	1	300	2 50	750 00	10
Rubbers	3	300	1 65	495 00	10
Polishers	10	298	2 09	622 82	10
Safe fillers	3	300	1 60	480 00	10
Safe makers	201	301	2 01	605 01	9.5
Safe makers' helpers	8	300	1 50	450 00	10
Varnisher	1	300	2 00	600 00	10
Watchman	1	300	1 75	525 00	10
Wood workers	2	290	2 15	623 50	10

SASH, DOORS, LUMBER AND INTERIOR FINISH — 26 ESTABLISHMENTS.

Bench hands	72	302	\$2 32	\$700 64	9.4
Cabinet makers	2	303	1 92	581 76	10
Carpenters	186	308	2 52	776 16	8
Coaters	4	300	1 60	480 00	10
Cutters	6	309	2 50	772 50	10
Drivers	35	302	1 64	193 28	9.7
Engineers	12	302	2 33	703 66	9.5
Finishers	3	300	2 17	651 00	9.8
Firemen	5	309	1 58	688 22	9.4
Foremen	4	300	3 12	936 00	9
Gluers	2	300	1 50	450 00	10
Grate filer	1	300	1 67	501 00	10
Grate japanner	1	300	1 67	501 00	10
Helpers	4	310	1 33	412 30	10
Laborers	227	305	1 33	405 65	9.8
Machine hands	109	300	2 35	705 00	9.4
Machine hands' helpers	6	300	1 00	300 00	9.5
Machinist	1	305	2 40	732 00	8
Mantel makers	55	300	1 50	450 00	10
Mantel setters	2	300	3 25	975 00	9
Mill hands	106	300	1 49	447 00	9.2
Packers	4	309	1 25	386 25	10
Planers	3	309	1 50	463 50	10
Slate cutter	1	300	1 83	549 00	10
Stair builders	17	302	3 00	906 00	8
Stock keeper	1	310	1 67	517 70	10
Turners	6	301	2 13	641 13	9.7
Veneer rackers	2	310	1 12	347 20	10
Warehousemen	12	300	1 50	450 00	10
Yard hands	32	299	1 22	364 78	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
SLAUGHTERING AND MEAT PACKING — 18 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Beef department hands	11	313	\$2 30	\$719 90	10
Blacksmiths	2	306	1 75	535 50	10
Butchers	266	301	1 85	556 85	10
Carpenters	3	306	1 75	535 50	10
Casing makers	9	306	1 72	526 32	10
Cellar hands	10	312	1 67	551 04	10
Checkmen	3	313	1 45	353 85	10
Curers	2	310	2 25	697 50	10
Dresser	1	310	2 00	620 00	10
Dressers' helper	1	310	1 85	573 50	10
Drivers	36	221	1 76	388 96	10
Engineers	14	307	2 72	837 04	10
Engineers' assistant	1	310	1 50	465 00	10
Firemen	3	303	1 83	554 49	10
Hog department hands	15	312	1 69	527 28	10
Hostlers	12	311	1 72	534 92	10
Laborers	148	303	1 35	409 05	8.9
Laborers (boys)	2	286	70	200 20	9
Lard hands	4	313	2 00	626 00	10
Meat cutter	1	310	1 67	517 70	10
Packers	14	310	1 75	542 50	9.8
Pickle pork department hands	8	313	1 85	579 05	10
Pigs' feet cleaner	1	310	1 00	310 00	9.8
Pork department hands	20	313	1 90	594 70	10
Salters	8	309	1 86	574 74	10.3
Sausage makers	50	296	1 89	559 44	10.3
Watchmen	6	304	1 64	498 56	10.4

SOAP, CANDLES AND TALLOW — 22 ESTABLISHMENTS.

Blacksmiths	4	298	\$2 25	\$670 50	10
Bleach maker	1	308	2 06	634 48	9
Candle makers	110	147	1 50	220 50	10
Carpenters	9	299	3 12	931 88	10
Coopers	8	298	2 10	625 80	10
Cutters and stampers	8	267	1 38	368 46	10
Drivers	15	295	1 74	513 30	10
Engineer	6	294	2 67	784 98	10
Firemen	27	299	1 83	547 17	10
Foreman	1	275	2 50	637 50	9
Helpers	56	294	1 53	464 52	10
Laborers	637	299	1 51	451 49	10
Laboratory hands	7	298	1 90	566 20	10
Lye makers	10	298	1 98	590 04	10
Machinists	10	299	2 86	855 14	10
Mill hands	9	303	3 33	1 008 99	10
Millwrights	4	298	3 51	1 045 98	10
Packers	6	270	1 21	326 70	9.7
Pipe fitters	11	298	2 81	837 38	10
Pressers	16	304	1 84	559 36	10
Renderer	1	310	1 75	542 50	10
Soap boilers and helpers	101	300	1 27	381 00	10
Soap makers	61	285	1 76	501 60	9.6
Soap makers' helpers	3	75	1 00	75 00	10
Tallow makers	2	313	2 00	626 00	10
Ware house hands	17	298	1 78	530 44	10
Watchmen	10	298	1 83	545 34	10
Wrappers	5	245	62	151 90	9.8

SODA AND MINERAL WATERS — 12 ESTABLISHMENTS.

Bottlers	18	265	\$1 80	\$477 00	9
Bottle washers	20	283	1 13	319 79	9
Drivers	24	277	1 95	540 15	8.7
Fireman	1	300	2 50	750 00	9
Foreman	1	310	2 00	620 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
SODA AND MINERAL WATERS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	3	265	\$1 13	\$312 70	10.6
Hostlers	2	260	1 65	429 00	10
Labelers	2	182	1 00	182 00	10
Laborers	10	266	1 20	319 20	8.4
Shopmen	5	300	1 02	306 00	9

STENCILS, STAMPS AND SEALS — 5 ESTABLISHMENTS.

Artist	1	312	\$2 50	\$780 00	10
Brand maker	1	300	1 66	498 00	8
Die maker	1	312	2 00	624 00	10
Die sinkers	2	308	2 50	770 00	10
Enameler	1	312	2 25	702 00	10
Engineer	1	308	3 00	924 00	10
Engravers	3	306	2 22	679 32	9.3
Fireman	1	308	2 00	616 00	8
Furnace men	2	312	1 75	546 00	10
Helpers	13	309	1 13	349 17	10
Millwright	1	308	2 50	770 00	10
Polishers	6	309	2 00	618 00	10
Printers	2	312	1 50	468 00	10
Punchers	10	308	1 50	462 00	10
Stamp makers	6	309	2 47	763 23	10
Stencil cutters	5	307	1 35	414 45	10

STONE (CUT, SAWED AND ARTIFICIAL) — 4 ESTABLISHMENTS.

Bricklayers	12	260	\$4 50	\$1,170 00	8
Cutters	21	201	3 50	703 50	8
Carpenter	1	260	2 00	520 00	9
Drivers	4	248	1 58	391 84	8
Engineers	2	260	2 75	715 00	9
Finishers	4	293	3 00	879 00	10
Helpers	14	260	1 50	390 00	9
Hostler	1	270	1 50	405 00	8
Laborers	37	278	1 92	533 76	9.2
Mill hands	2	260	2 00	520 00	10
Planer hands	3	260	2 35	611 00	8

STOVES, RANGES AND FURNACES — 10 ESTABLISHMENTS.

Apprentices	15	299	\$0 85	\$254 15	10
Blacksmiths	2	306	2 75	841 50	10
Carpenters	4	296	2 21	653 16	10
Casting cleaners	2	276	1 79	494 04	10
Coppersmiths	3	306	3 00	918 00	10
Core maker	1	276	2 25	621 00	10
Cupola tender	1	276	2 33	643 08	10
Drillers	2	306	1 75	535 50	10
Engineers	3	294	2 75	803 50	10
Finishers	10	306	1 65	504 90	10
Flash carrier	1	276	2 16	596 16	10
Fireman	1	306	2 00	612 00	10
Fitters	4	306	2 25	688 50	10
Foremen	4	297	2 83	840 51	10
Helpers	7	307	60	184 20	10
Laborers	50	287	1 55	444 85	9
Laborers (boys)	50	360	75	270 00	10
Machinists	4	306	1 30	397 80	10
Mechanics	10	300	2 00	600 00	10
Molders	99	288	2 20	633 60	9
Molders' apprentices	5	276	1 17	322 92	10
Mounters	44	288	1 65	475 20	10
Pattern filers	2	276	2 32	640 32	10
Platers	6	276	1 46	402 96	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
STOVES, RANGES AND FURNACES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Polishers	3	306	\$2 17	\$664 02	10
Porters	6	307	1 75	537 25	10
Press hands	5	360	1 00	360 00	10
Range makers	36	312	1 60	499 20	10
Range makers' helpers	8	360	1 00	360 00	10
Shippers	6	306	1 55	474 30	10
Spinner	1	306	3 00	918 00	10
Sheet iron workers	53	310	2 30	713 00	10
Testers	2	306	1 67	511 02	10
Tinners	62	310	2 22	688 20	10
Tinners' apprentices	2	306	75	229 50	10
Urn makers	2	306	3 33	1,018 98	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE — 24 ESTABLISHMENTS.

Blacksmiths	2	296	\$2 12	\$627 52	9
Buffers	5	305	2 00	610 00	10
Carpenter	1	300	2 00	600 00	9
Construction workers	20	306	2 50	765 00	10
Die makers	2	307	2 50	767 50	10
Die setter	1	300	1 75	525 00	10
Draughtsmen	3	306	3 00	918 00	10
Driver	1	296	1 50	444 00	9
Elevator man	1	305	1 37	517 85	10
Engineers	2	303	2 91	881 73	10
Foreman	1	300	3 00	900 00	10
Galvanizers	18	347	2 15	746 05	10
Helpers	48	207	1 28	264 96	9.6
Japanners	9	305	1 50	457 50	10
Laborers	82	286	1 08	308 88	10
Laborers (boys)	43	304	.66	200 64	10
Machine hands	19	324	1 66	537 84	10
Machinists	4	312	2 37	739 44	10
Mounters	8	306	2 00	612 00	10
Nailers	2	305	1 08	329 40	10
Oiler	1	305	75	228 75	10
Plater	1	307	1 50	460 50	10
Press hands	59	305	1 30	396 50	10
Power department hands	4	306	2 00	612 00	10
Roofers	8	240	2 25	540 00	8
Sawyers	2	305	1 50	457 50	10
Sheet iron workers	14	309	2 11	651 99	9
Shippers	7	311	2 07	643 77	10
Tinners	176	293	1 97	577 21	9.5
Tinners' helpers	2	300	1 00	300 00	10
Watchmen	3	302	1 67	504 34	9.7

TOBACCO (CHEWING AND SMOKING) — 5 ESTABLISHMENTS.

Cutters	4	303	\$2 25	\$681 75	10
Driver	1	306	2 00	612 00	10
Engineers	2	303	2 50	757 50	10
Feeders	3	306	1 40	428 40	10
Labelers	3	301	1 10	331 10	8
Laborers	22	301	1 49	448 49	9.3
Laborers (boys)	11	306	.74	226 44	10
Machine hands	7	301	2 00	602 00	9
Packers	3	304	1 25	380 00	10
Stampers	3	301	1 75	526 75	8
Tankmen	2	306	1 50	459 00	10
Tobacco workers	2	200	1 50	300 00	8
Wringer men	3	306	1 50	459 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

TOOLS — 34 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	78	275	\$0 94	\$258 50	10
Bench hands	4	300	1 50	450 00	10
Blacksmiths	4	306	2 25	688 50	9.8
Carpenters	6	258	2 25	580 50	9.7
Casting cleaners	8	260	1 55	403 00	9.5
Die makers	3	302	2 67	806 34	9.7
Draughtsmen	13	272	3 47	943 84	9.3
Drill press hands	45	261	1 64	428 04	10
Engineers	9	263	2 35	618 05	10
File cutters	16	305	1 52	463 60	8
Finisher	1	306	1 80	550 80	9
Firemen	2	255	1 80	459 00	9.5
Foremen	9	260	4 00	1,040 00	.....
Forgers	3	310	2 10	651 00	10
Gear cutters	5	302	1 00	302 00	9.5
Grinders	6	308	2 29	705 32	9.8
Helpers	52	254	1 56	396 24	10.4
Inspectors	5	260	2 00	520 00	9.5
Laborers	144	274	1 51	413 74	9.7
Lathe hands	287	260	1 81	470 60	10.4
Machine hands	59	272	1 88	511 36	10
Machinists	629	268	2 20	589 60	9.7
Machinists' apprentices	34	288	94	270 72	10
Machinists, apprentices and helpers.....	41	275	1 70	467 50	9
Mechanics	50	260	2 18	566 80	10
Metal planer makers.....	65	275	1 40	385 00	10
Mill hands	28	251	78	195 78	10.5
Millwrights	3	260	1 90	494 00	9.5
Packers	4	260	1 75	455 00	9.5
Painters	41	265	1 72	455 80	10
Pattern makers	17	266	2 38	633 08	10
Pattern makers' apprentices	2	300	1 00	300 00	9
Planer hands	84	259	1 91	494 69	10
Polishers	10	274	1 95	534 30	9.7
Press hands	3	300	1 25	375 00	10
Saw makers	33	311	2 50	777 50	9.2
Scraper hands	11	260	2 00	520 00	9.5
Tool makers	17	265	2 72	720 80	9.6
Vise hands	206	258	2 15	554 70	10
Watchmen	3	285	1 78	506 30	11

TRUNKS AND VALISES — 6 ESTABLISHMENTS.

Box nailers	5	250	\$1 70	\$425 00	9
Finishers	45	250	1 70	425 00	10
Helpers	4	250	1 40	350 00	10
Machine hands	4	250	2 00	500 00	10
Trunk makers	65	192	1 74	334 08	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS — 2 ESTABLISHMENTS.

Blacksmith	1	300	\$1 66	\$498 00	10
Helper	1	300	1 50	450 00	10
Laborer (boy)	1	300	50	150 00	10
Teamster	1	300	1 50	450 00	10
Wire workers	12	310	1 06	328 60	10

MISCELLANEOUS — 40 ESTABLISHMENTS.

Acid makers	2	305	\$1 75	\$533 75	10
Assorter	1	305	1 00	305 00	9
Bakers	9	300	1 50	450 00	10
Ball makers	10	305	1 25	381 25	9.5
Balloon maker	1	180	42	75 60	9
Band makers	2	305	1 00	305 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

MISCELLANEOUS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Basket makers	2	300	1 00	300 00	10
Batting makers	5	293	1 95	571 35	10
Bevelers	6	280	2 12	593 60	10
Butterine makers	2	312	1 50	468 00	10
Cabinet maker	1	225	1 75	393 75	8
Carpenters	5	303	1 70	515 10	9.8
Case makers	3	294	87	255 78	9
Chargers	11	294	1 25	367 50	9
Churn master	1	312	3 00	936 00	10
Churn master's assistant	1	312	2 00	624 00	10
Cleaners	3	302	1 33	401 66	10
Coaters	2	300	1 50	450 00	10
Coopers	2	312	2 08	648 96	9
Cutters	9	297	1 28	380 16	9.5
Draymen	4	305	1 44	439 20	9.8
Dry house hands	4	305	1 35	411 75	10
Embroiderers	2	225	3 00	675 00	10
Engineers	15	295	2 53	746 35	10
Feeders	6	306	1 65	504 00	10
Fence makers	2	40	1 50	60 00	10
Filler	1	300	75	225 00	10
Finishers	12	294	1 00	294 00	9
Firemen	3	308	2 08	640 64	10
Foreman	1	312	1 83	570 96	9
Forkers	2	300	2 00	600 00	10
Frame makers	8	283	1 17	331 11	9
Gold beaters	4	309	1 65	509 85	10
Helpers	24	288	99	285 12	9.8
Laborers	200	302	1 44	434 88	10
Laborers (boys)	13	297	58	172 26	9.5
Lamp black makers	16	300	1 50	450 00	10
Machine hands	10	305	1 60	488 00	10
Machinists	29	181	2 09	378 29	10
Machinists' helpers	2	305	1 50	457 50	10
Mason	1	300	4 00	1,200 00	10
Milkmen	2	312	2 00	624 00	10
Millers	2	300	2 50	750 00	10
Millwright	1	300	2 50	750 00	10
Mixers	19	304	1 53	465 12	10
Moulders	12	305	2 00	610 00	10
Packers	12	295	1 51	445 45	9.5
Painters	4	305	1 50	457 50	10
Pencil makers	10	200	2 25	450 00	10
Pen makers	20	200	2 25	450 00	10
Plow makers	8	308	1 60	492 80	10
Polishers	11	280	1 85	518 00	10
Porters and helpers	4	305	65	198 25	9.5
Pressmen	8	304	1 63	495 52	9.8
Printer	1	299	2 00	598 00	9
Pullers	18	306	1 55	474 30	10
Puncher	1	305	1 00	305 00	9
Rollers	8	306	1 00	306 00	10
Roll makers	6	312	1 75	546 00	10
Saw room hands	8	305	1 35	411 75	10
Sewers	3	306	1 15	351 90	10
Shipping clerks	6	310	1 50	465 00	10
Silverers	3	280	1 67	467 60	10
Smelters	2	234	1 50	351 00	10
Smoothers	4	280	2 35	658 00	10
Spinners	44	277	1 10	304 70	10
Still hands	3	305	2 00	610 00	10
Stone dressers	2	300	2 50	750 00	10
Stuffer	1	305	45	137 25	9.5
Tanners	2	305	1 75	223 75	9.5
Taperer	1	305	67	204 35	9
Watchmen	2	300	1 59	477 00	11
Wrappers	9	309	1 36	420 24	10

TABLE IVc—MANUFACTURES—CINCINNATI—Continued.
ADVERTISING NOVELTIES AND SIGNS—5 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Cutter	1	288	\$1 00	\$288 00	9
Decorators	4	240	75	180 00	10
Helpers	2	303	75	227 25	10
Laborers	15	270	63	170 10	10

AWNINGS, TENTS AND FLAGS—6 ESTABLISHMENTS.

Basters	2	232	\$0 67	\$155 44	10
Flag workers	98	361	41	148 01	10
Folders	4	361	80	288 80	10
Forewoman	1	232	1 00	232 00	10
Helpers	4	312	1 15	358 80	8
Seamstresses	13	270	91	245 70	10
Sewing machine hands	10	312	1 00	312 00	8

BAGS (PAPER AND BURLAP)—7 ESTABLISHMENTS.

Assorters	8	306	\$0 69	\$211 14	10
Bag makers	36	310	82	254 20	10
Envelope department hands	3	307	1 50	460 50	10
Forewoman	1	306	83	253 98	10
Gluers	3	307	1 00	307 00	10
Gummer	1	307	70	214 90	10
Machine tenders	10	314	78	294 92	10
Packers	2	307	70	214 90	10
Piece workers	2	325	1 00	325 00	10
Press feeders	25	311	74	230 14	10
Sewing girls	7	306	57	174 42	9

BILLIARD TABLES, BAR AND STORE FIXTURES—1 ESTABLISHMENT.

Casing cleaners	2	305	\$1 00	\$305 00	10
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BOOTS AND SHOES—30 ESTABLISHMENTS.

Cleaners	87	299	\$0 77	\$230 23	10
Cutter	1	230	2 00	460 00	10
Finishers	6	301	69	270 69	10
Fitters	2,059	255	99	252 45	9.8
Helpers	16	275	80	222 00	9.8
Lacers	60	275	75	206 25	10
Lining maker	1	87	1 00	87 00	9
Machine operators	103	300	1 00	300 00	.....
Packers	162	278	78	215 84	9.7
Seamers	14	238	1 02	242 76	10
Shoemakers	52	310	81	251 00	10
Stitchers	42	291	91	264 81	9.7
Table workers	3	87	83	72 21	9
Timekeeper	1	300	1 00	300 00	10
Triers	5	307	1 00	307 00	10
Vampers	4	209	1 06	221 54	9.8

BOXES (PAPER)—8 ESTABLISHMENTS.

Box makers	155	299	\$0 67	\$200 33	10
Coverers	2	302	75	226 50	10
Cutter	1	300	1 25	375 00	9.5
Finishers	68	313	66	206 58	10
Helpers	23	344	46	158 24	9.3
Machine hands	8	304	86	261 44	9.3
Pasters	10	300	75	225 00	9.5
Staying machine hands	7	306	84	257 04	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.

BOXES (PAPER) — Concluded.

Occupation — Female,	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Stitcher	1	307	\$1 05	\$322 25	9
Topper	1	302	50	151 00	10
Table hands	15	307	83	254 81	9

BOXES (WOODEN) — 5 ESTABLISHMENTS.

Box makers	24	313	\$0 64	\$200 32	10
Box trimmers	15	300	75	225 00	9
Hinger	1	295	66	194 70	9
Pasters	71	295	82	241 90	9.7

BREAD AND OTHER BAKERY PRODUCTS — 5 ESTABLISHMENTS.

Bakers	3	310	\$0 65	\$201 50	10
Cake icer	1	306	1 00	306 00	10
Cake icer's assistants	9	306	65	198 90	10
Clerks	9	315	88	277 20	11.3
Helpers	38	284	51	144 84	8.8
Icers and ornamenters	35	301	60	180 60	10
Packers	12	306	65	198 90	10
Packers and icers	46	300	69	207 00	10
Packers and wrappers	97	301	65	195 65	10

BROOMS AND BRUSHES — 3 ESTABLISHMENTS.

Brush makers	11	301	\$0 56	\$168 56	9.6
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BUNGS — 1 ESTABLISHMENT.

Laborers	5	300	\$0 75	\$225 00	8
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CARRIAGES AND WAGONS — 21 ESTABLISHMENTS.

Helpers	11	236	\$1 00	\$236 00	10
Machine hands	9	294	1 08	317 52	9.7
Paster	1	230	1 00	280 00	9
Trimmers	122	269	1 02	274 38	9.3
Umbrella makers	5	306	1 00	306 00	10

CARRIAGE AND WAGON MATERIALS — 5 ESTABLISHMENTS.

Foot press operators	6	200	\$0 70	\$140 00	9
Japanners	5	275	1 00	275 00	10
Lamp cleaners	10	270	70	189 00	10
Packers	2	200	1 00	200 00	9
Sewing machine hands	2	275	1 25	343 75	10
Stitchers	2	312	75	234 00	9

CIGARS — 27 ESTABLISHMENTS.

Box labeller	1	275	\$0 85	\$233 75	9
Bunch breakers	397	293	1 25	366 25	8.8
Cigar makers	54	277	1 28	354 56	8.6
Packers	82	296	1 26	372 96	8.9
Rollers	617	292	1 33	388 36	8.7
Strippers	515	294	67	196 98	8.7
Week hands	20	296	1 00	296 00	9

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
CLOTHING — 82 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	3	308	\$0 33	\$101 64	9
Assorters	4	306	75	229 50	10
Basters and finishers	12	306	80	244 80	10
Buttonhole makers	49	306	67	205 52	9.4
Catalogue folders	8	306	84	257 04	10
Cloak makers	58	280	1 33	386 40	8.5
Coat makers	50	306	1 12	342 72	10
Cutters	11	311	1 51	469 61	9.3
Embroidery hands	14	280	85	298 00	8.5
Examiners	12	306	92	281 52	9.3
Finishers	89	303	88	266 64	9.3
Forewomen	2	307	1 42	435 94	9.3
Helpers	259	300	53	159 00	9
Labellers	7	304	90	273 60	9
Laundresses	10	300	1 00	300 00	9.5
Machine operators	1,360	305	1 07	326 35	9.3
Pant makers	63	302	88	265 76	9.4
Piece workers	25	308	1 25	385 00	10
Pressers	24	307	1 33	408 31	9.7
Receivers	3	303	1 75	539 00	9.5
Seamstresses	537	298	81	241 38	8.7
Shirt makers	157	303	96	290 88	9.2
Stockkeeper	1	296	1 50	444 00	9
Tailoresses	429	299	1 08	321 92	9
Trimmers	17	308	1 33	409 64	9.8
Vest makers	20	300	2 76	828 00	9.4

COFFEE, BAKING POWDER AND SPICES — 7 ESTABLISHMENTS.

Forewomen	3	289	\$1 07	\$309 23	9
Labellers	5	306	65	198 90	8.7
Packers	36	293	76	222 68	8.6
Washers and fillers	2	306	50	153 00	9

COFFINS AND BURIAL CASES — 2 ESTABLISHMENTS.

Cloth workers	9	295	\$1 12	\$330 40	9
Janitress	1	306	1 10	336 60	.....
Metal workers	18	295	1 37	109 15	10
Packers	5	306	92	281 52	.....
Sewers	41	298	80	238 40	9
Trimmers	5	306	1 01	309 06	.....

CONFECTIONERY — 14 ESTABLISHMENTS.

Candy makers	14	309	\$0 91	\$305 19	9
Clerks	6	322	93	299 46	10
Dippers	21	294	63	185 22	9.4
Helpers	38	303	68	206 04	10
Janitress	1	333	50	166 50	5
Packers	153	288	53	152 64	10
Wrappers	18	299	63	188 37	9.7

COPPER AND BRASS GOODS — 5 ESTABLISHMENTS.

Burnishers	5	300	\$1 00	\$300 00	10
Core girls	20	296	1 02	201 92	9.5
Helpers	3	308	50	154 00	10
Varnishers	9	300	73	219 00	10
Wrappers	12	298	38	113 24	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 8 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Ballers	2	300	\$0 54	\$162 00	10
Corders	3	308	80	246 40	10
Finishers	17	300	26	78 00	10
Hand workers	6	260	75	195 00	10
Inspectors	6	308	80	246 40	10
Knitters	67	305	94	286 70	10
Machine hands	50	302	1 13	356 36	10
Menders	3	308	80	246 40	10
Packers	9	308	80	246 40	10
Pickers, sorters and carders.....	38	355	70	248 50	10
Reeler	1	300	62	186 00	10
Seamstresses	5	260	1 00	260 00	10
Spinners	18	308	70	215 60	10
Spoolers	19	300	66	198 00	10
Trimmers	3	300	62	186 00	10
Twisters	4	300	62	186 00	10
Wage hands	12	300	67	201 00	10
Winders	24	305	75	228 75	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 6 ESTABLISHMENTS.

Circular folders	20	300	\$1 00	\$300 00	10
Finishers	50	300	75	225 00	10
Labellers	3	309	70	216 30	10
Laborer	1	300	1 00	300 00	8
Packers and helpers.....	15	312	60	187 20	10
Pill makers	16	300	75	225 00	10
Preparers and packers.....	3	300	84	252 00	9
Stock makers	4	300	75	225 00	10
Wrappers	3	309	84	259 66	10

ELECTRICAL GOODS AND SUPPLIES — 3 ESTABLISHMENTS.

Armature winders	20	301	\$0 75	\$225 75	9.8
Core makers	2	300	1 00	300 00	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 3 ESTABLISHMENTS.

Labellers and fillers.....	4	300	\$0 73	\$219 00	9
Perfume makers	12	355	80	284 00	10

FLOURING MILL PRODUCTS — 2 ESTABLISHMENTS.

Packers	6	250	\$0 75	\$187 50	10
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FOUNDRY AND MACHINE SHOP PRODUCTS — 1 ESTABLISHMENT.

Wrappers	7	307	\$0 50	\$153 50	10
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FURNITURE — 13 ESTABLISHMENTS.

Caners	13	298	\$0 93	\$277 14	9.8
Letter file makers.....	87	300	90	270 00	10
Presser	1	307	1 17	359 19	9.5
Seamstresses	16	302	96	289 92	9.5
Trimmer	1	307	75	230 25	9.5
Upholsterers	4	300	92	276 00	10

FURS — 2 ESTABLISHMENTS.

Fur operators	3	300	\$1 25	\$375 00	9
Seamstresses	4	300	1 25	375 00	9
Trimmers	7	250	81	202 50	9

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
GUNPOWDER AND OTHER EXPLOSIVES — 1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Ammunition makers	215	310	\$1 03	\$319 30	10

HARNESS AND SADDLERY — 4 ESTABLISHMENTS.

Machine hands	2	300	\$0 85	\$255 00	10
Painters	9	300	80	240 00	10
Saddlers	3	304	1 15	349 60	10
Saddle tree coverer.....	1	300	33	99 00	3

HATS, CAPS AND FURNISHINGS — 15 ESTABLISHMENTS.

Apprentices	2	300	\$0 50	\$150 00	9
Cap makers	96	341	1 19	405 79	8.2
Cutter	1	350	1 50	525 00	8
Embroiderer	1	300	1 00	300 00	8
Finishers	4	300	60	180 00	10
Forewoman	1	308	1 37	421 96	10
Hand sewers	4	308	50	154 00	10
Hat makers	50	300	80	240 00	8
Laborers	15	306	67	205 02	9.5
Machine operators	49	304	31	246 24	10
Milliners	8	312	1 25	386 88	9
Neckwear makers	119	251	77	193 27	8.3
Packers	2	308	50	154 00	10
Straw sewers	5	130	1 00	130 00	10
Suspender workers	30	300	1 00	300 00	9
Trimmer	1	300	1 00	300 00	.....

JEWELRY — 12 ESTABLISHMENTS.

Gold and silversmiths.....	3	300	2 00	\$600 00	9
Jewelers	2	270	90	243 00	10
Polishers	19	276	1 09	300 84	9.8
Setters	2	303	2 00	606 00	10

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 5 ESTABLISHMENTS.

Binders and cutters.....	4	302	\$0 90	\$271 80	9
Forewoman	1	300	1 75	525 00	10
Gilders	5	307	1 00	307 00	8
Helpers	15	300	50	150 00	10
Mechanic	1	315	1 50	472 50	8
Transferer	1	306	1 53	468 18	9

MACHINERY — 1 ESTABLISHMENT.

Janitress	1	299	\$0 25	\$74 75	2
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MATTRESSES AND PILLOWS — 6 ESTABLISHMENTS.

Feather workers	40	309	\$0 75	\$231 75	9.7
Seamstresses	8	265	1 00	265 00	9.5
Wire weavers	32	301	80	240 80	8

MOULDINGS AND FRAMES — 1 ESTABLISHMENT.

Finishers	5	280	\$0 66	\$184 80	10
Metal gilders	5	280	1 25	350 00	10
Veneerers	8	280	90	252 00	10

OIL CLOTH AND WINDOW SHADE CLOTH — 1 ESTABLISHMENT.

Sewers	15	300	\$1 00	\$300 00	10
Tackers	15	300	1 00	300 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
PAINTS AND VARNISHES — 2 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	2	300	\$0 70	\$210 00	9
Labellers	2	300	1 00	300 00	9

PATTERNS AND MODELS — 1 ESTABLISHMENT.

Helpers	3	303	\$1 00	\$303 00	9.5
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PIANOS AND OTHER MUSICAL INSTRUMENTS — 1 ESTABLISHMENT.

Key department hands.....	6	305	\$0 80	\$244 00	10
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PICKLES, PRESERVES AND SAUCES — 6 ESTABLISHMENTS.

Bottlers	50	300	\$0 58	\$174 00	10
Canners, bottlers and packers.....	38	228	95	216 60	10
Forewoman	1	148	1 67	247 16	10
Labellers	6	223	60	133 80	10
Helpers	19	148	75	111 00	10
Packers	9	223	60	133 80	10
Picklers	7	301	91	273 31	9
Preserve department hands.....	40	300	58	174 00	10

PLATING — 1 ESTABLISHMENT.

Helpers	3	300	\$1 00	\$300 00	8
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PLUMBING, STEAM AND GAS FITTING SUPPLIES — 1 ESTABLISHMENT.

Foundry hands	4	330	\$0 50	\$165 00	10
Platers and buffers.....	12	330	65	214 50	10

PRINTING AND BINDING — 43 ESTABLISHMENTS.

Binders	212	301	\$1 12	\$337 12	9.2
Box makers	213	304	58	176 32	9
Boxers and shippers.....	14	304	55	167 20	9
Coaters	58	304	63	191 52	9
Compositors	104	304	69	209 76	9
Coverer	1	289	1 15	332 35	10
Cutters	167	304	70	212 80	9
Engravers	3	309	88	271 92	9.5
Finishers	40	304	60	182 40	9
Folders	58	300	98	294 00	9.4
Gatherers and packers.....	263	304	57	173 28	9
Helpers	2	300	75	225 00	10
Janitresses	2	308	87	267 96	9.5
Laborers	18	303	73	221 19	9.3
Machine hands	7	289	1 15	332 35	10
Mailer	1	308	96	295 68	9.5
Numberers and counters.....	4	278	1 06	294 68	8.5
Pasters	5	250	1 00	250 00	10
Pouch makers	8	270	75	202 50	9
Press feeders	4	299	1 09	325 91	8.7
Press room hands.....	8	309	1 05	324 45	9.5
Sewers	18	295	1 19	351 05	9.8
Stampers	2	239	1 15	332 35	10

REGALIA — 6 ESTABLISHMENTS.

Banner makers	3	306	\$1 15	\$351 90	10
Cap and helmet makers.....	13	300	1 25	375 00	10

TABLE IVc — MANUFACTURES — CINCINNATI — Continued.
REGALIA — Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Coat and pant makers.....	16	300	\$1 00	\$300 00	10
Costume makers	36	302	1 07	323 14	10
Crown makers	3	306	1 00	306 00	10
Embossers	3	302	1 00	302 00	8.5
Embroiderers	53	296	1 28	378 88	9.3
Errand girls	4	306	50	153 00	10
Flag and badge makers.....	14	300	1 00	300 00	10
Forewoman	1	220	1 50	330 00	9
Gold leaf layer.....	1	302	1 25	377 50	8.5
Lantern slide makers.....	2	300	1 00	300 00	8
Leather workers	3	300	1 00	300 00	10
Machine hands	12	306	1 10	336 60	10
Pressers	2	306	1 00	306 00	10
Regalia makers	20	299	1 00	299 00	9.4
Seamstresses	7	237	80	189 60	9
Tailoresses	14	306	1 25	382 50	10
Trimmer	1	153	1 00	153 00	5

SASH, DOORS, LUMBER AND INTERIOR FINISH — 1 ESTABLISHMENT.

Janitress	1	300	\$1 25	\$375 00	10
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SLAUGHTERING AND MEAT PACKING — 1 ESTABLISHMENT.

Canners' helpers	15	206	\$1 00	\$306 00	10
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SOAP, CANDLES AND TALLOW — 15 ESTABLISHMENTS.

Box makers	60	307	\$0 70	\$214 90
Candle makers	44	161	77	123 97	10
Laboratory hands	2	298	2 05	610 90	10
Laborers	9	309	70	216 30	9.8
Packers	2	305	67	204 35	9
Soap boilers' helpers	220	298	74	220 52	10
Wrappers	152	302	71	214 42	10

STENCILS, STAMPS AND SEALS — 1 ESTABLISHMENT.

Helpers	6	312	\$0 72	\$224 64	10
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TINWARE, SHEET IRON AND GALVANIZED IRONWARE — 1 ESTABLISHMENT.

Tinpanners	4	305	\$0 75	\$228 75	10
Solderers	3	305	83	253 15	10
Wrappers	3	305	75	228 75	10

TOBACCO, CHEWING AND SMOKING — 4 ESTABLISHMENTS.

Forewoman	1	306	\$1 50	\$459 00	9.5
Labelers	3	306	1 30	307 80	9.5
Packers	120	303	1 36	412 08	9
Stampers	3	306	70	214 20	9.5
Tobacco workers	2	200	1 00	200 00	8

TOOLS — 1 ESTABLISHMENT.

Operators	61	246	\$0 72	\$177 12	10
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TRUNKS AND VALISES — 2 ESTABLISHMENTS.

Finishers	4	250	\$0 85	\$212 50	10
Pasters	6	290	67	194 30	10

TABLE IVc — MANUFACTURES — CINCINNATI — Concluded.
MISCELLANEOUS — 18 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Assorters	36	306	\$0 55	\$168 30	9
Bakers	15	300	60	180 00	10
Balloon makers	3	180	42	75 60	9
Case makers	12	294	87	255 78	9
Comfort makers	10	293	1 22	357 46	10
Cutters	4	309	75	231 75	9
Designer	1	225	2 50	562 50	10
Finishers	17	294	75	220 50	9
Helpers	4	306	75	229 50	10
Laborers	3	305	1 00	305 00	10
Lamp black makers	4	300	60	180 00	10
Machine operators	13	256	1 10	281 00	9.2
Packers	13	277	94	260 38	7
Pencil makers	2	200	1 00	200 00	10
Penmakers	4	200	1 00	200	10
Sewers	39	239	82	236 98	9
Spinners	30	277	80	221 60	10
Stampers	4	365	50	152 50	9.
Stuffers	3	305	45	137 25	9.5

TABLE IV_{cc} — MANUFACTURES — CINCINNATI.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Bags (paper and burlap).....	Bag maker	4	15	.....
"	Balers	2	20	.....
"	Compositors	4	15	.....
"	Cutters	2	10	.....
"	Engineer	1	10	.....
"	Engravers	2	20	.....
"	Envelope department hand.....	1	10	.....
"	Feeders	8	10	.....
"	Finishers	2	10	.....
"	Foremen	2	10	.....
"	Helpers	5	10	.....
"	Laborers (boys)	2	10	.....
"	Machine tenders	10	12	.....
"	Porters	4	12.5	.....
Billiard tables, bar and store fixtures	Assemblers	3	10	.....
"	Buffers	8	10	.....
"	Cabinet makers	13	7.4	.....
"	Carpenters and cabinet makers.	28	10	.....
"	Engineer	1	10	.....
"	Glazier	1	5	.....
"	Iron bed maker	16	10	.....
"	Lacquers	4	10	.....
"	Machine hands	2	8	.....
"	Machinists	25	10	.....
"	Metal workers	1	5	.....
"	Moulder	1	10	.....
"	Packers	7	9	.....
"	Plater	1	10	.....
"	Porters	3	10	.....
"	Teamsters	1	10	.....
"	Varnishers	5	10	.....
Boilers, engines and tanks.....	Apprentices	3	8.8	.....
"	Planer hand	1	12.5	.....
"	Sheet iron and steel workers...	35	5	.....
"	Vise hands	5	9	.....
Boots and shoes.....	Bottomers	20	10	.....
"	Cutters	36	3.3	.....
"	Finishers	15	10	.....
"	Fitters	10	10	.....
"	Helper	1	10	.....
"	Lasters	19	10	.....
"	Packers	10	10	.....
Boxes (paper)	Cutters	3	8	.....
"	Enders	2	10.5	.....
"	Gluers	12	10	.....
Boxes (wooden)	Engineer	1	10	.....
"	Filer	1	10	.....
"	Laborers	30	7	.....
"	Laborers (boys)	29	10	.....
"	Machine hands	6	10	.....
"	Nailers	27	8.6	.....
"	Sawyers	26	8	.....
Bread and other bakery products.....	Bakers	59	5	.....
"	Engineers	4	4	.....
"	Helpers	7	11	.....
"	Oven tender	1	22	.....
"	Packers	11	4	.....
"	Teamster	1	5	.....
Brooms and brushes.....	Broom makers	2	20	.....
"	Sewer	1	12	.....
"	Sizers	2	20	.....
Carriages and wagons.....	Blacksmiths	120	14	.....
"	Craters	10	13	.....
"	Engineer	1	15	.....
"	Helpers	4	10	.....
"	Laborers	45	10	.....
"	Mounters and packers.....	24	6.2	.....
"	Painters	307	14.8	.....
"	Shippers	10	5	.....
"	Trimmers	215	13.6	.....
"	Ware room hands.....	60	7.3	.....
"	Wood workers	20	10.5	.....

TABLE IV_{cc} — MANUFACTURES — CINCINNATI — Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of Employees.	Advanced per cent.	Reduced per cent.
Carriage and wagon materials.....	Finishers	20	10	.....
“ “	Grinders	35	20	.....
Cigars	Machine hands	27	10	.....
“ “	Cigar makers	11	15	.....
Clothing	Packer	1	15	.....
“ “	Clothing makers	18	10	.....
“ “	Coat makers	18	13.3	.....
“ “	Cutters	57	5.5	.....
“ “	Cutters' helpers	11	10	.....
“ “	Elevator man	1	15	.....
“ “	Examiners	2	12.5	.....
“ “	Operators	122	7.7	.....
“ “	Pant makers	9	10	.....
“ “	Porter	1	10	.....
“ “	Pressers	16	7.5	.....
“ “	Receiver	1	7.5	.....
“ “	Stock keepers	16	2.3	.....
“ “	Tailors	53	10.6	.....
“ “	Tailors	29	.....	6
“ “	Trimmers	1	7.5	.....
“ “	Vest makers	2	10	.....
Coffee, baking powder and spices.....	Coffee roaster	1	10	.....
Cooperage	Coopers	31	11	.....
“ “	Laborers	7	10	.....
“ “	Machine hands	55	17	.....
Copper and brass goods.....	Coppersmiths	12	10	.....
“ “	Drivers	2	10	.....
“ “	Engineer	1	10	.....
“ “	Fireman	1	10	.....
“ “	Helpers	8	10	.....
“ “	Molders and helpers	5	10	.....
“ “	Packers	2	10	.....
“ “	Pattern makers	2	10	.....
“ “	Platers	14	10	.....
“ “	Polishers and buffers	23	10	.....
“ “	Vise hands	21	10	.....
“ “	Watchman	1	10	.....
Drugs, chemicals & druggists' sundries	Brass finishers	2	15	.....
Electrical goods and supplies.....	Assemblers	34	10	.....
“ “	Bell boys	15	2.8	.....
“ “	Blacksmiths	2	2.8	.....
“ “	Boxers	5	2.8	.....
“ “	Commutator department hands	32	10	.....
“ “	Foundry hands	5	2.8	.....
“ “	Machinists	58	9.7	.....
“ “	Novelty workers	6	10	.....
“ “	Painters	9	2.8	.....
“ “	Pattern makers	10	2.8	.....
“ “	Punch department hands.....	19	2.8	.....
“ “	Stock room hands.....	5	2.8	.....
“ “	Testers	18	2.8	.....
“ “	Tool department hands	12	10	.....
“ “	Watchmen	2	20	.....
“ “	Winders	55	17	.....
Extracts, toilet articles and perfumery	Perfume makers	2	12.5	.....
Filters	Laborers	4	5	.....
“ “	Machinist	1	10	.....
“ “	Pottery men	5	10	.....
“ “	Vise hands	4	10	.....
Foundry and machine shop products	Apprentices	2	7.5	.....
“ “	Carpenters	7	9.4	.....
“ “	Cnippers	5	10	.....
“ “	Cleaners	31	10	.....
“ “	Core makers	22	8.4	.....
“ “	Cupola tenders	3	10	.....
“ “	Engineers	2	10	.....
“ “	Finishers	30	10	.....
“ “	Helpers	45	10	.....
“ “	Laborers	15	5	.....
“ “	Machinists	6	8	.....
“ “	Molders	448	6	.....
“ “	Watchmen	1	10	.....

TABLE IV_{cc} — MANUFACTURES — CINCINNATI — Continued.

Table by Industries, Showing the Number in Each Occupation, Affected by Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of Employees.	Advanced per cent.	Reduced per cent.
Furniture	Assemblers	3	10	.....
"	Buffers	3	10	.....
"	Cabinet makers	102	8	.....
"	Carvers	3	10	.....
"	Deck hands	2	10	.....
"	Engineers	2	10	.....
"	Finishers	31	6.2	.....
"	Fitters	3	10	.....
"	Glazier	1	5	.....
"	Helper	2	10	.....
"	Iron bed makers	16	10	.....
"	Laborers	6	10	.....
"	Lacquerers	4	10	.....
"	Machinists	10	10	.....
"	Machine hands	50	8.3	.....
"	Metal workers	1	5	.....
"	Molders	1	10	.....
"	Packers	13	8.2	.....
"	Packers and fitters	2	10	.....
"	Plater	1	10	.....
"	Porters	3	10	.....
"	Teamsters	3	8.3	.....
"	Turners	3	10	.....
"	Upfitters	2	5	.....
"	Upholsterers	10	5	.....
"	Varnishers	2	10	.....
Gunpowder and other explosives.....	Carpenters	5	1.8	.....
"	Watchmen	2	1.8	.....
Hardware	Assemblers	5	5	.....
"	Woodworkers	15	5	.....
Hats, caps and furnishings.....	Apprentice	1	20	.....
"	Blocker	1	10	.....
"	Cap makers	11	5.6	.....
"	Cutters	2	20	.....
"	Errand boy	1	33.3	.....
"	Neckwear makers	5	5	.....
Ice (artificial)	Engineers	4	13	.....
"	Engineers	2	.....	10
"	Firemen	4	13	.....
"	Laborers	2	6	.....
"	Tankmen	2	6	.....
Inks	Grinders	65	2.5	.....
Iron (structural and architectural).....	Blacksmiths	10	8	.....
"	Erectors	19	10.5	.....
"	Erectors' helpers	30	20	.....
"	Finishers	55	8	.....
"	Helpers	110	9	.....
"	Helpers and riggers.....	15	15	.....
"	Iron workers	55	12.5	.....
"	Laborers	60	8	.....
"	Laborers (boys)	4	15	.....
"	Machinists	10	8	.....
"	Mechanics	10	10	.....
"	Painters	4	8	.....
"	Shipping clerk	1	8	.....
"	Tool room man	1	8	.....
"	Wire workers	5	10	.....
Jewelry	Diamond setter	2	16.7	.....
"	Engravers	8	20	.....
"	Jewelers	19	5.3	.....
"	Repairer	1	10	.....
"	Watch case engine turner.....	1	20	.....
"	Watch case finishers	2	20	.....
"	Watch case jointers.....	4	20	.....
"	Watch case melter	1	20	.....
"	Watch case polishers.....	3	20	.....
"	Watch case rollers.....	2	20	.....
"	Watch case springers.....	3	20	.....
"	Watch case turners.....	3	20	.....
Leather and leather goods.....	Carpenters	7	11	.....
"	Splitters	18	12.5	.....
Lithographing, engraving & electrotypg	Blocker	1	.....	12
"	Cutter	1	.....	25

TABLE IV_{cc} — MANUFACTURES — CINCINNATI — Continued.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of Employees.	Advanced per cent.	Reduced per cent.
Printing and binding.....	Rulers	2	5	.....
Regalia	Regalia makers	2	10	.....
Roofing, (iron steel and tin).....	Roofers and cornice makers.....	8	12.5	.....
Safes, vaults and locks.....	Burglar box makers.....	4	5	.....
“	Painters	19	11	.....
“	Polishers	9	5	.....
Sash, doors, lumber and interior finish	Bench hands	11	10.7	.....
“	Cabinet maker	1	9.3	.....
“	Carpenters	40	6	.....
“	Engineer	1	10	.....
“	Helpers	3	20	.....
“	Laborers	11	4	.....
“	Laborers (boys)	1	2	.....
“	Machine hands	24	10.4	.....
“	Sawyer	4	10	.....
“	Stair builders	17	12.6	.....
“	Teamsters	3	10	.....
“	Yardmen	2	20	.....
Slaughtering and meat packing.....	Cellar hands	10	10	.....
“	Hog department hands.....	15	10	.....
“	Packers	8	10	.....
Stoves, ranges and furnaces.....	Sausage department hands.....	10	10	.....
“	Engineer	1	10	.....
“	Helpers	8	25	.....
“	Molders	20	5	.....
“	Pipe fitters	1	10	.....
Tinware, sheet iron and galv. ironware	Urn makers	2	10	.....
“	Galvanizers	3	12	.....
“	Helpers	7	10	.....
“	Laborer	1	12	.....
“	Machinists	2	12	.....
“	Machine hands	18	12	.....
“	Shippers	2	12	.....
Tobacco (chewing and smoking).....	Tobacco workers	2	2	.....
Tools	Apprentices	96	7.7	.....
“	Blacksmiths	3	10	.....
“	Carpenters	2	5	.....
“	Draughtsmen	11	9.5	.....
“	Engineers	3	10.7	.....
“	Grinder	5	10	.....
“	Helpers	49	1.6	.....
“	Laborers	91	6	.....
“	Lathe hands	154	1.2	.....
“	Machinists	475	9	.....
“	Machine hands	16	10	.....
“	Mechanics	70	5	.....
“	Milling hands	36	1.6	.....
“	Painters	12	11.7	.....
“	Patternmakers	12	7	.....
“	Patternmakers	8	.....	1
“	Polishers	3	10	.....
“	Tool makers	2	10	.....
“	Watchman	1	12	.....
Miscellaneous	Acid hands	2	8	.....
“	Assistant churn master.....	1	20	.....
“	Assistant shipping clerk.....	2	15	.....
“	Ball makers	10	10	.....
“	Band maker	2	8	.....
“	Batting makers	5	7	.....
“	Butter workers	2	15	.....
“	Carpenters	4	8	.....
“	Churn master	1	20	.....
“	Cutters	3	8.5	.....
“	Dry house hands.....	4	8	.....
“	Engineers	3	9.3	.....
“	Engineer and fireman	3	8	.....
“	Glass blowers	6	7.5	.....
“	Helpers	11	15.5	.....
“	Laborers	50	8	.....
“	Laborers ((boys)	6	7.5	.....
“	Machinist	1	8	.....
“	Machinists' helpers	2	8	.....
“	Machine hands	10	8	.....

TABLE IV_{cc} — MANUFACTURES — CINCINNATI — Continued.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of Employees.	Advanced per cent.	Reduced per cent.
Miscellaneous	Milk men	2	15	.....
"	Mixers	8	9.3	.....
"	Molders	12	8	.....
"	Packers	5	8	.....
"	Painters	4	8	.....
"	Polishers	11	7.5	.....
"	Roll makers	6	15	.....
"	Sampler	1	8	.....
"	Saw room hands	8	8	.....
"	Silverers	3	7.5	.....
"	Shipping clerks	4	11.5	.....
"	Smotherer	4	7.5	.....
"	Still hands	3	8	.....
"	Teamsters	2	10	.....
"	Watchmen	1	8	.....
"	Wrappers	9	12	.....
Totals and averages.....	.....	6,178	9.1	.....
	.....	42	.....	7.6

TABLE IV_{cc} — MANUFACTURES — CINCINNATI — Concluded.

Table by Industries, Showing the Number in Each Occupation, Affected
by Change in Wages for the Year 1901.

Industries.	Occupation.— Female.	Number of Employes.	Advanced per cent.	Reduced per cent.
Bags (paper and burlap).....	Assorters	3	10	.....
“	Bag makers	6	20	.....
“	Envelope banders	3	10	.....
“	Gluers	3	10	.....
“	Gumer	1	10	.....
“	Machine tenders	5	12	.....
“	Packers	2	10	.....
“	Piece workers	2	20	.....
“	Press feeders	8	20	.....
Boots and shoes.....	Fitters	155	6.8	.....
“	Packers	16	9	.....
Boxes (paper)	Coverers	2	12.5	.....
“	Rough workers	4	10	.....
“	Stayers	4	10.6	.....
Bread and other bakery products.....	Mixer	1	11	.....
Carriages and wagons.....	Trimmers	42	8	.....
Cigars	Cigar maker	16	15	.....
“	Strippers	3	30	.....
Clothing	Clothing makers	42	10	.....
“	Finishers	73	7.5	.....
“	Machine hands	68	10	.....
“	Operators	100	6.2	.....
“	Receivers	3	7.5	.....
“	Shirt makers	12	10	.....
“	Tailoresses	56	5.3	.....
“	Vest makers	4	10	.....
Confectionery	Packers	20	7	.....
Copper and brass goods.....	Lacquerers	7	10	.....
“	Wrappers	12	10	.....
Extracts, toilet articles and perfumery	Perfume makers	12	17.5	.....
Hats, caps and furnishings.....	Cap makers	21	6.6	.....
“	Neckwear makers	40	5	.....
Mattresses and pillows	Sewers	3	5	.....
Mouldings and frames.....	Veneers	8	10	.....
Printing and binding.....	Folders	4	10.5	.....
“	Sewers	2	7.5	.....
Regalia	Regalia makers	12	10	.....
Tobacco (chewing and smoking).....	Tobacco workers	2	2	.....
Miscellaneous	Comfort and pad makers.....	10	14	.....
“	Laborers	3	8	.....
“	Seamstresses	28	.....	1
Totals and averages.....	.....	690	9.5	.....
.....	.....	28	.....	1

TABLE IV*d*—MANUFACTURES—DAYTON.
ADVERTISING NOVELTIES AND SIGNS—4 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Artists	6	325	\$3 05	\$991 25	9
Cutters	3	325	1 23	416 00	10
Designer	1	306	2 50	765 00	10
Engineer	1	325	2 50	812 50	10
Engravers	6	282	1 91	538 62	9
Helpers	8	279	83	231 57	9
Laborers	10	315	78	245 70	10
Painters	2	308	1 25	385 00	10
Press feeders	10	321	1 06	340 26	10
Pressmen	10	295	2 53	746 35	9.8
Shippers	2	325	1 08	351 00	10
Watchman	1	325	1 50	487 50	10.5
Wood carver	1	306	2 00	612 00	10

AGRICULTURAL IMPLEMENTS—4 ESTABLISHMENTS.

Assemblers	36	295	\$1 45	\$427 75	10
Blacksmiths	11	290	1 97	571 30	9.6
Blacksmiths' helpers	3	284	1 25	355 00	10
Core makers	4	293	2 00	586 00	10
Engineers	3	294	2 32	682 08	10
Grinders	3	289	1 68	435 52	9.3
Helpers	2	300	1 25	375 00	8
Hostlers	3	293	1 75	512 75	10
Laborers	221	294	1 37	302 78	10
Machinists	67	295	1 53	451 35	10
Millwrights	4	295	1 75	516 25	10
Molders	62	294	2 41	708 35	10
Painters	17	294	1 61	473 34	9.9
Pattern makers	12	294	2 36	693 84	10
Shop clerks and inspectors	18	295	1 75	516 25	10
Steel workers	47	295	1 63	490 85	10
Stocker	1	300	1 50	450 00	10
Tool makers	18	295	2 20	649 00	10
Warehouse men	4	293	2 00	586 00	10
Wood workers	41	294	1 70	499 80	10

AWNINGS, TENTS AND FLAGS—2 ESTABLISHMENTS.

Awning hangers	2	313	\$1 50	\$469 50	10
Blacksmith	1	282	1 75	493 50	10
Cutter	1	282	1 75	493 50	10
Laborers	2	282	1 50	423 00	10

BOILERS, ENGINES AND TANKS—5 ESTABLISHMENTS.

Apprentices	8	334	\$1 17	\$390 78	10
Blacksmiths	30	307	1 86	571 02	10
Boiler makers	21	303	2 43	736 29	10
Boiler makers' helpers	150	306	1 75	535 50	10
Carpenters	8	312	1 73	555 36	10
Draughtsman	1	350	1 00	350 00	10
Engineers	2	330	1 75	577 50	10
Fireman	1	310	1 50	465 00	10
Handyman	1	310	2 50	775 00	10
Helpers	12	302	1 52	459 04	10
Laborers	10	350	1 25	437 50	10
Layer-out	1	310	4 12	1,273 20	10
Machinists	82	324	2 33	754 92	10
Machine hands	4	310	2 17	672 70	10
Moulders	10	350	2 75	962 50	10
Moulders and helpers	76	306	1 75	535 50	10
Painter	1	350	2 25	787 50	10
Pattern makers	9	311	2 44	758 84	10
Plumber	1	350	1 75	612 50	10

TABLE IVd — MANUFACTURES — DAYTON — Continued.
BOILERS, ENGINES AND TANKS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Rivet heaters	4	310	\$1 20	\$372 00	10
Sheet iron workers.....	18	307	1 37	420 59	10
Shipping clerk	1	350	1 50	525 00	10
Steel plate workers.....	4	310	2 00	620 00	10
Teamsters	5	306	1 50	459 00	10
Yardmen	10	306	1 60	489 60	10

BOXES (PAPER) — 4 ESTABLISHMENTS.

Bail cutter	1	300	\$1 53	\$459 00	10
Compositors	26	302	1 50	453 00	10
Cutters	23	303	1 52	460 56	10
Cutter cleaners	3	300	83	249 00	10
Cutter feeders	3	300	1 50	450 00	10
Cylinder pressmen	4	300	2 67	801 00	10
Cylinder tenders	7	300	69	207 00	10
Diemen	2	300	2 21	663 00	10
Feeders	3	300	1 33	399 00	10
Feeders (stamping machine).....	4	300	90	270 00	10
Finishers	2	300	1 50	450 00	10
Foremen	3	300	3 00	900 00	10
Guers and packers.....	8	300	80	240 00	10
Laborers	10	300	1 50	450 00	10
Machinists	6	300	2 50	750 00	10
Machinists' apprentices	2	300	1 00	300 00	10
Press feeders	9	300	92	276 00	10
Pressmen	3	300	2 05	615 00	10
Shippers	13	300	1 50	450 00	10
Stockmen	3	300	1 60	480 00	10
Truckers	5	300	1 27	381 00	10
Wrappers	6	300	1 08	324 00	10

BOXES (WOODEN) — 4 ESTABLISHMENTS.

Box makers	28	283	\$1 31	\$377 28	8.5
Box nailers	12	312	1 50	468 00	10
Engineer	1	312	2 25	702 00	10
Filer	1	312	1 85	577 20	10
Foremen	2	300	2 50	750 00	10
Laborers	2	312	1 25	390 00	10
Laborers (boys)	13	312	50	156 00	10
Nailers, etc	12	300	67	201 00	9
Printer	1	300	1 50	450 00	9
Sawyers	9	309	1 50	463 50	9.8
Teamsters	6	310	1 46	452 60	10
Watchman	1	312	1 00	312 00	10

BREAD AND OTHER BAKERY PRODUCTS — 5 ESTABLISHMENTS.

Bakers	23	222	\$1 82	\$404 04	10
Copper department hands.....	2	200	1 87	374 00	10
Cracker department hands.....	11	200	1 45	290 00	10
Engineers	3	227	2 11	478 97	10
Helpers	4	265	1 29	341 85	9.2
Hostlers	2	200	1 50	300 00	10
Machine hands	10	231	1 35	379 35	9
Mixers	2	231	1 85	519 85	8.5
Packers	2	231	1 25	351 25	9
Porters	2	200	1 80	360 00	10
Shipper	1	200	1 67	334 00	10
Drivers	3	227	1 66	376 82	10

TABLE IVd — MANUFACTURES — DAYTON — Continued.
BROOMS AND BRUSHES — 3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Broom corn sorters.....	2	294	\$1 00	\$294 00	10
Broom makers	11	226	1 31	296 06	8.5
Broom sewer	1	294	1 40	411 60	10
Laborers	2	250	1 00	250 00	8

CARRIAGES AND WAGONS — 8 ESTABLISHMENTS.

Assistant bender	1	275	\$1 50	\$412 50	10
Bender	1	200	1 67	334 00	10
Blacksmiths	32	301	2 23	671 23	10
Blacksmiths' helpers	25	299	1 48	442 52	10
Body makers	20	306	2 25	688 50	10
Craters and laborers.....	8	306	1 90	581 40	.....
Engineer	1	275	1 67	459 25	10
Finishers	6	306	2 00	612 00	10
Helpers	4	292	1 50	438 00	10
Laborers	4	300	2 00	600 00	10
Packer	1	275	1 50	412 50	10
Painters	66	300	1 97	591 00	10
Sawyer	1	275	2 00	550 00	10
Selector	1	275	1 50	412 50	10
Trimmers	26	301	2 24	674 24	10
Wagon maker	1	308	2 50	770 00	10
Wood workers	10	292	2 20	642 40	10

CARRIAGE AND WAGON MATERIALS — 3 ESTABLISHMENTS.

Blacksmiths	3	301	\$2 25	\$677 25	10
Blacksmiths' helpers	3	301	1 50	451 50	10
Engineer	1	292	3 00	876 00	10
Fireman	1	292	1 25	365 00	10
Hub mortisers	5	292	1 67	487 64	10
Hub turners	5	292	1 67	487 64	10
Laborers	83	287	1 25	358 75	9.8
Laborers (boys)	5	301	1 75	225 75	10
Machinists	2	301	2 25	677 25	10
Machine hands	25	294	1 64	482 16	10
Mechanics	50	280	1 60	448 00	9.5
Millwrights	2	292	2 00	584 00	10
Rim benders	5	292	1 67	487 64	10
Rim drivers	5	292	1 75	511 00	10
Rim markers	3	292	1 50	438 00	10
Rim polishers	4	292	1 50	438 00	10
Selectors	3	298	1 67	497 66	10
Spoke beltors	10	292	1 50	438 00	10
Spoke drivers	7	292	2 00	584 00	10
Spoke turners	9	292	2 00	584 00	10
Teamsters	3	292	1 50	438 00	10
Watchman	1	292	1 50	438 00	12
Wheel finishers	12	292	1 67	487 64	10

CIGARS — 22 ESTABLISHMENTS.

Bunch breachers	8	289	\$1 73	\$499 97	10
Bunch makers	28	230	1 85	425 50	8.0
Bunch presser	1	282	1 00	282 00	9
Cigar makers	88	294	1 61	473 34	8.5
Cigar rollers and bunch breakers.....	15	290	2 25	652 50	10
Laborers	34	135	1 28	172 80	10
Packers	6	247	2 03	501 40	8.5
Rollers	13	296	1 61	476 56	9
Tobacco caser	1	282	1 08	304 56	9
Tobacco dryer	1	282	1 33	375 06	9

TABLE IVd — MANUFACTURES — DAYTON — Continued.
CLOTHING — 4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Cutter	1	300	\$2 00	\$600 00	.....
Cutters and markers.....	3	295	3 50	1,032 50	10
Cutters and operators.....	12	240	1 83	439 20	9.7
Janitor	1	295	1 50	442 50	10
Presser	1	300	1 25	375 00	.....
Pressers, inspectors and folders.....	4	295	4 50	1,327 50	10

COFFEE, BAKING POWDER AND SPICES — 3 ESTABLISHMENTS.

Box makers	2	217	\$1 50	\$325 50	10
Coffee roasters	4	281	2 06	379 75	10
Coffee roasters' helper.....	1	217	1 75	379 75	10
Elevator man	1	300	1 60	480 00	10
Engineers	3	274	2 87	649 38	10
Packers	6	300	1 65	495 00	10
Porters	5	253	1 50	379 50	10
Shipping clerk	1	306	2 00	612 00	10
Teamsters	2	303	1 75	530 25	10
Watchman	1	217	1 50	325 50	10

CONFECTIONERY — 2 ESTABLISHMENTS.

Candy makers	2	300	\$2 50	\$750 00	9
Helpers	2	300	1 00	300 00	9
Laborer	1	308	50	154 00	10

COOPERAGE — 2 ESTABLISHMENTS.

Coopers	8	250	\$2 00	\$500 00	9.8
Laborers	5	200	1 50	300 00	10

COPPER AND BRASS GOODS — 2 ESTABLISHMENTS.

Car lighting department hands.....	4	300	\$2 00	\$600 00	9½
Cleaners	4	240	1 25	300 00	10
Drafting room hands.....	4	300	80	240 00	9½
Expense hands	12	300	1 50	450 00	9½
Finishers	46	300	1 80	540 00	9½
Moulders	40	291	1 46	424 86	9.4
Pattern makers	33	300	1 75	525 00	9½
Platers	7	300	1 40	420 00	9½
Polishers	24	300	1 90	570 00	9½
Spinners	4	300	1 70	510 00	9½
Tool makers	4	300	1 90	570 00	9½

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 2 ESTABLISHMENTS.

Bottle washers	2	306	\$0 85	\$260 10	9
Laborers	3	310	1 00	310 00	10
Packer	1	306	1 50	459 00	9
Porter	1	306	1 85	566 10	9
Printer	1	306	2 00	612 00	9

ELECTRICAL GOODS — 4 ESTABLISHMENTS.

Assembler	1	311	\$1 50	\$466 50	9.5
Blacksmith	1	282	2 00	564 00	9.5
Blacksmith's helper	1	282	1 50	423 00	9.5
Electrical workers	8	300	2 00	600 00	.....
Electricians	12	282	1 81	510 42	9.5
Floor hands	3	311	90	279 90	9.5
Laborers	4	282	1 50	423 00	9.5

TABLE IVd — MANUFACTURES — DAYTON — Continued.

ELECTRICAL GOODS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Lathe hands	4	300	2 25	675 00	.....
Machinists	13	287	2 40	688 80	10
Machine apprentices	3	282	1 08	304 56	9.5
Machinists and machine men.....	20	306	2 00	612 00	10
Pattern makers	4	282	2 46	693 72	9.5
Pattern maker apprentice.....	1	282	67	188 94	9.5
Press hands	7	302	1 46	440 92	9.5
Tool maker	1	282	3 00	846 00	9.5
Tool makers' apprentice.....	1	282	1 00	282 00	9.5

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 2 ESTABLISHMENTS.

Bottlers	2	300	\$1 75	\$525 00	9
Engineer	1	275	2 00	550 00	9
Extract department hands.....	3	300	1 50	450 00	9
Gum department hands.....	3	300	1 50	450 00	9
Laborers	2	275	1 50	412 50	9
Porter (boy)	1	275	75	206 25	9

FLOURING MILL PRODUCTS — 4 ESTABLISHMENTS.

Engineers	4	250	\$2 25	\$562 50	12
Floor men	11	293	1 76	515 68	10
Laborers	12	520	1 23	382 50	10
Millers	10	247	2 47	610 09	11
Packers	5	260	1 70	442 00	10.6
Teamsters	2	255	2 08	530 40	10

FOUNDRY AND MACHINE SHOP PRODUCTS — 19 ESTABLISHMENTS.

Annealers	58	301	\$1 40	\$421 40	10
Apprentices	145	277	1 40	387 80	10
Assemblers	399	272	2 81	764 32	9.5
Bench hands	26	287	1 75	502 25	10
Bindery men	6	275	2 50	687 50	9.5
Blacksmiths	86	305	2 19	667 95	10
Blacksmiths' helpers	131	306	1 48	452 83	10
Box makers	9	275	2 00	550 00	9.5
Brushers and grinders.....	11	275	2 85	783 75	9.5
Buffers	41	276	5 82	1,606 32	9.8
Cabinet makers	102	306	2 10	642 60	10
Carpenters	370	306	2 16	660 96	10
Carpenters and wood workers.....	45	275	2 58	709 50	9.5
Carvers	6	306	2 70	826 20	10
Casting cleaners	16	302	1 56	471 12	9.8
Compositors and feeders.....	29	275	2 50	687 50	9
Core makers	79	293	2 87	840 91	10
Chain maker	1	175	1 75	306 25	10
Chasers	3	275	3 82	1,050 50	9.5
Draughtsmen	12	303	2 40	727 20	9.9
Engineers	4	291	2 50	727 50	10
Etchers	6	275	2 50	687 50	9
Filers	2	280	1 75	490 00	10
Firemen	6	275	2 00	550 00	9.5
Firemen's helpers	4	275	1 50	412 50	9.5
Foremen and assistants.....	69	274	4 73	1,296 02	9.5
Furnace tenders	2	293	2 00	586 00	9.2
Helpers	177	275	1 42	390 50	9.5
Indicator department hands.....	11	275	1 25	343 75	9.5
Inspectors	10	248	2 25	558 00	9.6
Laborers	477	298	1 48	440 56	10
Lathe hand	1	120	1 75	210 00	9
Machine boys	9	300	1 20	360 00	10
Machine hands	554	275	2 70	742 55	9.5
Machinists	416	305	1 87	570 35	10

TABLE IVd — MANUFACTURES — DAYTON — Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Machinists and machine hands.....	45	301	\$1 33	\$400 33	10
Marquetry men	54	306	2 40	734 40	10
Millwrights	19	306	2 15	657 90	10
Moulders	497	297	2 40	712 80	10
Moulders' helpers	110	306	1 45	443 70	10
Packers and shippers.....	10	277	1 66	459 82	9.7
Painters	201	300	1 77	531 00	10
Pattern makers	50	274	2 42	663 08	10
Pipe fitters	48	306	1 95	596 70	10
Platers	49	275	2 33	640 75	9.5
Plumbers	3	275	3 00	825 00	9.5
Polishers	48	276	4 37	1,206 12	9.6
Press hands	5	272	1 60	435 20	9.8
Press room boys.....	8	275	1 40	385 00	9.
Shippers	78	301	1 27	382 27	10
Stockkeepers	39	275	1 81	497 75	9.5
Spinners	3	280	2 25	630 00	10
Teamsters	2	229	1 25	286 25	10
Tinners	35	301	2 12	638 12	10
Tool grinders	7	275	2 00	550 00	9.5
Tool makers	11	282	3 36	947 52	10
Trimmers	52	301	1 25	376 25	10
Truckers	18	275	1 55	426 25	9.5
Truck builders	54	306	1 77	541 62	10
Upholsterers	52	306	1 75	535 50	10
Watchman	1	305	1 00	305 00	10
Wood workers	3	280	2 40	672 00	10
Weight sealer	1	280	2 00	560 00	10
Yardmen	10	301	1 40	421 40	10

FURNITURE — 6 ESTABLISHMENTS.

Bench hands	73	295	\$2 36	\$696 20	10
Cabinet makers' apprentices.....	2	295	1 00	295 00	10
Carvers	15	318	2 53	804 54	10
Engineers	4	292	2 38	694 96	10
Finishers	98	303	2 03	625 24	10
Finishers' apprentices	3	295	75	221 25	10
Helpers	20	300	75	225 00	10
Laborers	13	306	1 30	397 80	10
Lumber men	6	300	1 50	450 00	10
Machine hands	90	310	1 57	486 70	10
Packers	14	293	98	287 14	10
Packers (boys)	6	295	85	250 75	10
Planers	5	300	1 50	450 00	10
Sanders	31	320	1 50	480 00	10
Sawyers	5	300	1 50	450 00	10
Stoolers	20	320	2 25	720 00	10
Teamsters	6	312	1 65	514 80	10
Truck boy	1	295	60	177 00	10
Truck man	1	295	1 33	392 35	10
Upholsterers	7	320	2 25	720 00	10
Watchman	1	300	1 75	525 00	10

HARNESS AND SADDLERY — 2 ESTABLISHMENTS.

Finishers	3	300	\$1 50	\$450 00	10
Harness makers	11	300	1 83	549 00	8

IRON (STRUCTURAL AND ARCHITECTURAL) — 2 ESTABLISHMENTS.

Blacksmiths	3	300	\$2 00	\$600 00	10
Laborers	3	260	1 25	325 00	10
Iron workers	4	260	2 50	650 00	10
Mechanics	10	260	1 75	455 00	10

TABLE IVd — MANUFACTURES — DAYTON — Continued.
MACHINERY — 12 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Adjusters and assemblers.....	140	296	\$2 25	\$666 00	10
Apprentices.....	72	305	1 00	305 00	10
Blacksmiths.....	21	304	2 39	726 56	10
Blacksmiths' helpers.....	6	303	1 56	472 68	10
Boiler makers.....	13	305	2 20	671 00	10
Buffers.....	8	296	3 00	888 00	10
Carpenters.....	30	305	2 06	623 30	10
Core makers.....	67	303	2 14	648 42	10
Cupola tenders.....	3	303	2 33	705 99	10
Draughtsmen.....	27	306	2 65	810 90	9.2
Electricians.....	2	305	2 00	610 00	10
Engineers.....	11	301	2 16	650 16	10
Filers.....	30	296	2 00	592 00	10
Finishers.....	300	296	2 25	675 00	10
Firemen.....	3	305	1 50	457 50	10
Foremen.....	4	308	4 25	1,319 00	10
Furnace tenders.....	4	300	2 00	600 00	10
Grinders.....	3	305	1 75	533 75	10
Laborers.....	591	301	1 44	433 44	10
Lathe hands.....	15	307	2 00	614 00	10
Machine hands.....	212	297	1 72	510 84	10
Machinists.....	457	304	2 25	684 00	10
Machinists' helpers.....	2	308	1 00	308 00	10
Millwrights.....	14	298	2 36	703 28	10
Moulders.....	185	302	2 91	878 82	10
Painters.....	10	304	1 83	556 32	10
Pattern makers.....	53	304	2 55	775 20	10
Pipe fitters.....	5	305	2 22	677 10	10
Platers.....	12	296	1 75	518 00	10
Planer hands.....	10	307	2 00	614 00	10
Polishers.....	23	296	3 37	997 52	10
Screw makers.....	43	296	2 75	814 00	10
Sewing room hands.....	4	296	2 44	722 24	10
Shipping clerk.....	1	292	1 75	511 00	10
Shop clerks.....	2	308	2 00	616 00	10
Teamsters.....	2	300	1 67	501 00	10
Tool makers.....	29	298	2 85	849 30	10
Watchmen.....	6	305	1 60	488 00	10
Wood workers.....	21	298	2 04	607 92	10

MATTRESSES AND PILLOWS — 2 ESTABLISHMENTS.

Fillers.....	2	270	\$1 00	\$270 00	9
Finishers and fillers.....	10	300	2 00	600 00	10
Finishers.....	3	270	1 50	405 00	9
Picker boy.....	1	270	75	202 50	9
Teamster.....	1	270	80	216 00	.....

PAINTS AND VARNISHES — 5 ESTABLISHMENTS.

Engineer.....	1	295	\$2 25	\$663 75	10
Helpers.....	5	306	1 68	514 08	9
Laborers.....	11	164	1 26	206 64	10
Mill hands.....	4	150	1 46	219 00	10
Paint grinders.....	27	295	2 00	590 00	10
Varnish makers.....	8	292	2 15	627 80	10
Watchman.....	1	295	1 50	442 50	9

PATTERNS AND MODELS — 2 ESTABLISHMENTS.

Pattern makers.....	7	300	\$1 36	\$558 00	10
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TABLE IVd — MANUFACTURES — DAYTON — Continued.
PRINTING AND BINDING — 21 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	7	296	\$0 90	\$266 40	9
Binders	28	305	1 84	561 20	9.5
Binders' helper	1	300	1 25	375 00	9.5
Clerks	6	310	1 87	579 70	9
Compositors	59	301	2 26	680 26	9
Cutters	7	300	1 70	510 00	10
Electrotypers	9	310	1 40	434 00	9
Engineer	1	300	2 25	675 00	9.5
Engineers and helpers.....	4	310	2 50	775 00	10
Errand boys	4	300	53	159 00	9.5
Foreman	1	295	3 00	885 00	9
Laborers	4	303	1 53	471 24	9
Linotype operators	4	310	3 16	979 60	8
Lithograph apprentice	1	300	60	180 00	9.5
Lithograph engravers	2	300	3 50	1,050 00	8
Lithograph feeders	2	300	1 00	300 00	9.5
Lithograph stone polisher.....	1	300	1 25	375 00	9.5
Lithograph pressmen	2	300	3 00	900 00	9.5
Lithograph transferers	2	300	3 00	900 00	9.5
Machine hand	1	306	1 50	459 00	10
Machinists	5	308	3 08	943 64	9.2
Photo engravers	20	310	1 87	579 70	9
Operators	3	306	66	201 96	10
Porters	2	296	1 13	334 48	9.3
Press feeders	36	283	96	271 68	9.4
Pressmen	22	300	2 43	729 00	9.3
Proof reader	1	310	2 50	775 00	8
Rulers	12	301	2 03	611 03	10
Shipping department hands.....	9	301	1 52	457 52	10
Tablet department hands.....	6	300	1 25	375 00	10

SASH, DOORS, LUMBER AND INTERIOR FINISH — 6 ESTABLISHMENTS.

Bench hands	79	302	\$2 25	\$679 50	10
Block setter	1	250	1 35	337 50	10
Carpenters	88	307	2 27	696 89	9.4
Carvers	2	305	3 25	991 25	9
Cut-off man	1	250	1 25	312 50	10
Edger	1	250	1 50	375 00	10
Engineers	3	288	2 13	613 44	10
Helper	1	294	1 50	441 00	9
Laborers	15	294	1 50	441 00	10
Laborers (boys)	7	294	1 00	294 00	10
Machine hands	73	302	2 30	694 60	9.8
Mechanics	30	294	2 25	661 50	10
Offbearer	1	250	1 25	312 50	10
Painters	2	310	1 75	542 50	10
Painters and glaziers.....	2	305	1 60	488 00	9
Saw filer	1	250	1 85	462 50	10
Sawyer	1	250	1 75	437 50	10
Shipping clerk	1	175	2 00	350 00	10
Shop men	2	175	1 75	306 25	10
Teamsters	8	268	1 56	418 08	9.7
Watchman	1	310	2 00	620 00	10
Wood turners	4	310	2 20	682 00	10
Yardman	1	175	1 75	306 25	10

SLAUGHTERING AND MEAT PACKING — 2 ESTABLISHMENTS.

Butchers	35	300	\$1 66	\$498 00	10
Butchers and laborers.....	20	280	1 60	448 00	10
Laborers	9	300	1 30	390 00	10
Teamsters and hostlers.....	10	300	1 40	420 00	10

TABLE IVd — MANUFACTURES — DAYTON — Continued.
SOAP, CANDLES AND TALLOW — 6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Carpenter	1	300	\$2 25	\$675 00	10
Cutters	2	300	1 25	375 00	10
Engineers	2	300	2 25	675 00	10
Foreman	1	300	1 70	510 00	10
Laborers	74	303	1 58	478 74	10
Mailer	1	300	1 83	549 00	10
Soap boiler	1	300	3 00	900 00	10
Soap makers	12	298	1 61	479 78	10
Soap pressers	2	300	1 63	489 00	10
Wrappers (boys)	26	300	52	156 00	10

SODA AND MINERAL WATERS — 4 ESTABLISHMENTS.

Bottlers	2	308	\$2 50	\$770 00	8.5
Bottle washers	3	308	2 00	616 00	8.5
Brewers	2	308	2 25	693 00	10
Laborers	3	308	1 50	462 00	10
Mixer	1	48	2 00	96 00	8
Teamsters	30	291	1 45	421 95	9.7

STONE (CUT, SAWED AND ARTIFICIAL) — 2 ESTABLISHMENTS.

Engineer	1	278	\$2 25	\$625 50	10
Laborers	20	280	1 50	420 00	10
Masons	5	280	3 42	957 60	9
Quarrymen	20	278	2 00	556 00	10
Stone loaders	10	278	1 75	486 50	10
Stone tenders	2	280	1 80	504 00	9

STOVES, RANGES AND FURNACES — 2 ESTABLISHMENTS.

Blacksmith	1	208	\$2 25	\$468 00	10
Carpenter	1	208	2 50	520 00	10
Chippers	6	208	1 50	312 00	10
Cleaners	4	208	1 50	312 00	10
Core makers	5	208	2 00	416 00	10
Engineer	1	208	2 50	520 00	10
Laborers	50	226	1 50	339 00	10
Machinists	5	208	2 25	468 00	10
Moulders	93	220	2 88	633 60	9.5
Mounters	40	230	2 50	575 00	10
Pattern maker	1	208	2 50	520 00	10
Shipping clerk	1	208	3 00	624 00	10
Teamster	1	208	1 63	339 04	10
Tinsmiths	2	208	2 00	416 00	10
Watchmen	3	208	1 44	299 52	12

STRAWBOARDS AND PAPER — 7 ESTABLISHMENTS.

Back tenders	7	280	\$1 33	\$372 40	10
Beatermen	14	283	2 00	566 00	10.3
Beatermen's helpers	7	298	1 50	447 00	9.7
Binders' board machine tenders	34	240	1 50	360 00	10
Calendarmen	2	296	1 63	482 48	10
Carpenter	1	312	1 50	468 00	10
Coal unloader	1	312	1 00	312 00	10
Cuttermen	1	312	1 50	468 00	10
Draymen	3	280	1 50	420 00	10
Engineers	13	261	2 17	566 37	10.3
Finishers	7	273	1 78	485 94	10
Firemen	4	296	1 63	482 48	10
Foremen	2	312	2 00	624 00	10
Foremen and finishers	5	240	1 75	420 00	10
Helpers	5	302	71	214 42	10
Laborers	57	263	1 26	331 38	10

TABLE IVd — MANUFACTURES — DAYTON — Continued.

STRAWBOARDS AND PAPER — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Laborers (boys)	18	297	\$0 84	\$249 48	10
Machine helpers	7	271	1 43	387 53	11
Machine tenders	25	266	2 25	598 50	10.4
Machinists	2	300	1 54	462 00	10
Millwrights	4	292	2 59	756 28	10
Packer	1	312	1 50	468 00	10
Pail and plate makers.....	30	300	2 00	600 00	10
Rag room men.....	3	216	1 28	276 48	10
Ruler	1	312	2 00	624 00	10
Sealer	1	312	1 50	468 00	10
Shipping clerk	1	280	2 25	630 00	10
Size maker	1	312	1 25	390 00	10
Tub man	1	216	1 67	360 72	8
Watchman	1	230	1 50	420 00	10
Winders	3	280	1 00	280 00	10
Wrappers and pressmen.....	10	300	2 00	600 00	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE — 4 ESTABLISHMENTS.

Cornice makers	22	292	\$2 61	\$762 12	9
Floater	1	239	1 50	358 50	10
Helpers	7	249	1 84	458 16	10
Machine hand	1	239	1 67	399 13	10
Machinists s.....	8	250	2 25	562 50	9
Painter	1	239	2 25	537 75	10
Press hands	7	239	1 27	303 53	10
Slate roofers	4	294	2 50	735 00	9.8
Teamster	1	239	2 25	537 75	10
Tin cutters	2	239	1 25	298 75	10
Tinners	2	307	2 00	614 00	9

TOBACCO (CHEWNG AND SMOKING) — 3 ESTABLISHMENTS.

Casers	5	221	\$1 65	\$364 65	9.6
Cutter	1	210	1 65	346 50	9
Dryer	1	210	1 75	367 50	9
Engineers	2	180	2 13	383 40	9.5
Hustlers	6	268	1 83	490 44	10
Packers	8	268	1 83	490 44	10
Rehandlers	77	268	1 50	402 00	10

TOOLS — 5 ESTABLISHMENTS.

Apprentices	3	297	\$0 67	\$198 99	10
Blacksmiths	2	297	1 75	519 65	10
Blacksmiths and tool makers.....	2	300	2 00	600 00	9
Engineer	1	305	2 50	762 50	10
Forgers	6	305	2 00	610 00	10
Grinders	14	305	2 25	686 25	10
Helper	1	310	1 00	310 00	9
Laborers	4	305	1 50	457 50	10
Machinists	9	301	2 33	701 33	10
Polishers	2	305	1 75	533 75	10
Temperers	4	305	2 00	610 00	10
Vise hands	2	305	1 75	533 75	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS — 2 ESTABLISHMENTS.

Basket builders	3	300	\$1 50	\$450 00	10
Wire workers	2	310	1 50	465 00	9

TABLE IVd — MANUFACTURES — DAYTON — Continued.
MISCELLANEOUS — 23 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	23	300	\$1 00	\$300 00	10
Bench hands	12	250	1 75	437 50	10
Bowling goods makers.....	9	300	2 25	675 00	10
Buffers	2	281	2 62	736 22	10
Cellar men	2	250	1 75	437 50	12
Churn maker	1	270	2 50	675 00	10
Engineers	3	267	2 67	712 89	11.3
Finishers	24	297	2 50	742 50	9.4
Firemen	2	250	1 50	375 00	12
Golf goods makers.....	51	300	1 70	510 00	10
Helpers	5	300	1 08	524 00	9.8
Hostlers	3	250	1 67	417 50	10
Ice pullers	4	250	1 75	437 50	12
Laborers	95	285	1 36	387 60	9.8
Laborers (boys)	44	252	61	153 72	10
Last makers	105	300	2 00	600 00	10
Machine hands	9	289	2 25	650 25	10
Machinists	27	294	2 38	699 72	10
Mechanics	2	182	2 00	364 00	10
Mitten makers	5	300	1 60	480 00	10
Painter	1	281	2 50	702 50	10
Pavers	15	273	1 75	477 75	10
Plater	1	281	2 75	772 75	10
Preparers	39	100	1 10	110 00	10
Printing office hands.....	5	300	1 00	300 00	9.5
Putty makers	2	300	1 75	525 00	10
Roofers	4	273	2 25	614 25	10
Shippers	7	305	1 87	570 35	10
Spinner	1	281	2 75	772 75	10
Tinner	1	281	2 50	702 50	10
Tool maker	1	281	3 00	843 00	10
Umbrella makers	20	309	1 22	376 98	10
Wax makers	3	300	1 75	525 00	10
Wood workers	4	250	2 25	562 50	10

TABLE IVd—MANUFACTURES—DAYTON—Continued.
ADVERTISING NOVELTIES AND SIGNS—3 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	4	306	\$0 60	\$183 60	10
Press feeders	6	233	87	202 71	9.3
Sewers	3	325	58	188 50	10

AWNINGS, TENTS AND FLAGS—2 ESTABLISHMENTS.

Sewing machine operators.....	11	272	\$0 80	\$217 60	9.6
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BOXES (PEPER)—4 ESTABLISHMENTS.

Cleaners	21	300	\$0 70	\$210 00.	10
Cutters	20	303	59	178 77	10
Feeders	12	300	95	285 00	10
Finishers	31	306	60	183 60	10
Foreman	1	300	1 20	360 00	10
Gluers and packers.....	95	300	74	222 00	10
Laborers	60	300	75	225 00	10
Oyster pail makers.....	82	300	80	240 00	10

BOXES (WOODEN)—3 ESTABLISHMENTS.

Box makers	28	300	\$0 75	\$225 00	8
Pasters	32	278	69	191 82	8.6

BREAD AND OTHER BAKERY PRODUCTS—4 ESTABLISHMENTS.

Clerks	2	313	\$1 00	\$313 00	10
Packers	21	283	56	158 48	9.4

CARRIAGES AND WAGONS—1 ESTABLISHMENT.

Trimmers	4	306	\$0 90	\$275 40	10
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CIGARS—16 ESTABLISHMENTS.

Bunch breakers	68	308	\$1 47	\$452 76	9
Cigar makers	171	295	1 05	309 75	9
Laborers	20	290	1 00	290 00	10
Packers	15	272	1 60	435 20	8.2
Rollers	166	262	1 55	406 10	8.7
Rollers and bunch breakers.....	25	290	2 10	609 00	10
Strippers	164	110	65	71 50	8.6

CLOTHING—4 ESTABLISHMENTS.

Operators	242	278	\$0 97	\$269 66	9.9
Operators' helpers	2	300	70	210 00	8.5

COFFEE, BAKING POWDER AND SPICES—3 ESTABLISHMENTS.

Can makers	7	300	\$1 15	\$345 00	9
Packers	44	268	1 00	268 00	8.7

CONFECTIONERY—2 ESTABLISHMENTS.

Candy makers	2	308	\$0 50	\$154 00	10
Chocolate coaters	4	300	80	240 00	9
Dippers	2	300	60	180 00	9
Wrappers	4	300	70	210 00	9

TABLE IVd — MANUFACTURES — DAYTON — Continued.
COPPER AND BRASS GOODS — 1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Platers	3	300	\$0 75	\$225 00	9½

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 2 ESTABLISHMENTS.

Advertising department hand.....	1	306	\$0 67	\$205 02	9
Bottlers	9	306	50	153 00	9
Labeller	1	306	67	205 02	9
Laborers	2	310	75	232 50	8
Pill department hands.....	2	306	67	205 02	9

ELECTRICAL GOODS AND SUPPLIES — 3 ESTABLISHMENTS.

Electricians' helpers	4	282	\$0 93	\$262 26	10
Winders	6	309	1 04	321 36	6.7

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 2 ESTABLISHMENTS.

Extract department hands.....	9	300	\$1 00	\$300 00	9
Laborers	2	275	87	239 25	8

FOUNDRY AND MACHINE SHOP PRODUCTS — 5 ESTABLISHMENTS.

Core makers	50	301	\$1 25	\$376 25	10
Indicator department hands.....	222	275	1 40	385 00	9.5
Forewomen	2	275	3 50	962 50	8
Upholsterers	5	306	1 00	306 00	10

MACHINERY — 2 ESTABLISHMENTS.

Janitress	1	308	\$0 33	\$101 64	11½
Seamstress	1	308	1 00	308 00	10

MATTRESSES AND PILLOWS — 2 ESTABLISHMENTS.

Seamstresses	7	291	\$0 94	\$273 54	9.7
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PAINTS AND VARNISHES — 1 ESTABLISHMENT.

Card makers	6	295	\$0 90	\$265 50	10
Labellers	8	295	1 00	295 00	10

PRINTING AND BINDING — 15 ESTABLISHMENTS.

Binders	53	303	\$0 78	\$236 34	9.5
Compositors	11	305	1 30	396 50	9.3
Compositors' apprentice	1	300	50	150 00	9.5
Feeders	24	302	99	298 98	9.9
Folders	7	306	78	238 68	9.8
Machine tenders	4	308	2 75	847 00	9
Mailing clerks	6	310	1 00	310 00	8
Proof readers	4	310	1 75	542 50	8
Rulers	6	303	62	187 86	10
Tablet department hands.....	30	300	87	261 00	10

SOAP, CANDLES AND TALLOW — 4 ESTABLISHMENTS.

Canvassers	10	300	\$0 75	\$225 00	8
Laborers	2	306	50	153 00	10
Mailers	5	300	1 05	315 00	8.5
Soap makers	3*	294	75	220 50	10

TABLE IVd — MANUFACTURES — DAYTON — Concluded.
 STRAWBOARDS AND PAPER — 4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Counter	1	312	\$0 83	\$258 96	10
Cutter girls	9	259	78	202 02	10
Laborers	11	240	74	177 60	10
Lay-off girls	2	312	83	258 96	10
Pay sorters	25	285	77	219 45	10
Ruler	1	312	83	258 96	10
Sealer	1	312	83	258 96	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE — 1 ESTABLISHMENT.

Helpers	4	239	\$0 70	\$167 30	10
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TOBACCO (CHEWING AND SMOKING) — 3 ESTABLISHMENTS.

Caser	1	210	\$1 00	\$210 00	9
Packers	14	193	98	189 14	9.3
Rehandlers	120	268	80	214 40	9
Stemmers	3	210	80	168 00	9

MISCELLANEOUS — 7 ESTABLISHMENTS.

Assorters	35	300	\$0 65	\$195 00	10
Bailers	8	100	97	97 00	10
Laborers	4	307	90	276 30	10
Mitten makers	20	300	1 00	300 00	10
Operators	16	300	85	255 00	10
Packers	25	300	65	195 00	10
Preparers	89	100	75	75 00	10
Seamstresses	38	309	82	253 38	10
Spinners	14	100	91	91 00	10
Tool setters	16	300	65	195 00	10
Wax makers	6	300	75	225 00	10

TABLE IVdd — MANUFACTURES — DAYTON.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Feeders	8	8	.....
Boilers, engines and tanks.....	Blacksmiths	2	13	.....
“	Boilermakers	4	.....	5
“	Boiler makers and helpers.....	148	10	.....
“	Engineer	1	25	.....
“	Fireman	1	36	.....
“	Helpers	2	6	.....
“	Layers out	1	3	.....
“	Machine hands	4	18	.....
“	Machinists	47	6	.....
“	Pattern makers	8	10	.....
“	Rivet heaters	4	7	.....
Boxes (paper).....	Sheet iron workers.....	3	20	.....
“	Feeders	3	10	.....
“	Foreman	3	5	.....
Boxes (wooden).....	Printer	7	2	.....
Bread and other bakery products.....	Box makers	7	10	.....
“	Bakers	15	10.7	.....
Carriages and wagons.....	Bakers' helpers	3	25	.....
“	Blacksmiths	20	5	.....
Carriage and wagon materials.....	Painters	25	5	.....
“	Laborers	38	10	.....
Cigars	Spoke selectors	5	10	.....
Clothing	Cigar makers	5	10	.....
“	Cutter	1	25	.....
Electrical goods and supplies.....	Janitor	1	20	.....
“	Drill press hands	7	12	.....
Flouring mill products.....	Electrical workers	8	12	.....
Foundry and machine shop products	Teamsters	7	10	.....
“	Apprentices	137	5	.....
“	Assemblers	365	5	.....
“	Bindery men	6	5	.....
“	Box makers	9	5	.....
“	Blacksmiths	3	5	.....
“	Brushers and grinders.....	11	5	.....
“	Buffers	36	5	.....
“	Carpenters and woodworkers.....	45	5	.....
“	Casting cleaners	2	2	.....
“	Chasers	3	5	.....
“	Core makers	1	2	.....
“	Etcher	6	5	.....
“	Foremen	65	5	.....
“	Furnace tender	1	2	.....
“	Helpers	175	5	.....
“	Inspectors	8	5	.....
“	Laborers	1	2	.....
“	Laborers (boys)	19	5	.....
“	Machinists	2	10	.....
“	Machine hands	520	5	.....
“	Maintenance hands	55	5	.....
“	Molders	37	5	.....
“	Packers and shippers.....	6	5	.....
“	Painters	25	5	.....
“	Pattern makers	8	5	.....
“	Platers	46	5	.....
“	Polishers	36	5	.....
“	Press room hands.....	29	5	.....
“	Stock keepers	33	5	.....
“	Tinners	2	5	.....
“	Truckers	18	5	.....
Furniture	Cabinet makers	55	10	.....
“	Finishers	88	12	.....
“	Laborers	4	10	.....
“	Machine hands	20	8	.....
“	Stoolers	20	13	.....
“	Teamster	1	5	.....
“	Upholsterers	7	13	.....
Harness and saddlery.....	Stuffers (boys)	2	10	.....
Iron (structural and architectural).....	Mechanics	10	10	.....
Machinery	Laborers	20	10	.....
“	Machine tenders	12	10	.....
“	Machinists	12	10	.....
“	Shipping clerk	1	10	.....

TABLE IVdd — MANUFACTURES — DAYTON — Continued.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Patterns and models.....	Pattern makers	3	10	.....
Printing and binding.....	Compositor's apprentice	1	30	.....
“	Foreman	1	10	.....
“	Press feeder	1	20	.....
Sash, doors, lumber and interior finish	Pressmen	2	10	.....
“	Bench hands	32	10	.....
“	Carpenters	3	11	.....
“	Helper	1	11	.....
“	Laborers (boys)	7	10	.....
“	Machine hands	30	10	.....
“	Mechanics	30	10	.....
Slaughtering and meat packing.....	Butchers	35	10	.....
“	Drivers and hostlers.....	10	7.5	.....
“	Laborers	9	4	.....
Soap, candles and tallow.....	Soap makers	5	5	.....
Soda and mineral waters.....	Bottlers	2	10	.....
“	Drivers	3	25	.....
Stone (cut, sawed and artificial).....	Laborers	12	10	.....
“	Quarrymen	20	15	.....
“	Stone loaders	10	10	.....
Tobacco (chewing and smoking).....	Packers	8	10	.....
Tools	Blacksmith	1	15	.....
“	Engineer	1	15	.....
“	Forgers	6	15	.....
“	Grinders	14	15	.....
“	Laborers	4	15	.....
“	Machinists	5	15	.....
“	Polishers	2	15	.....
“	Temperers	4	15	.....
“	Vice hands	2	15	.....
Miscellaneous	Bowling goods markers.....	9	.....	9
“	Finishers	3	5	.....
“	Golf goods markers.....	51	.....	13
“	Mitten makers	5	8	.....
“	Pavers	15	5	.....
Totals and averages.....	.....	2,693	6.5	.....
	.....	64	.....	11

TABLE IVdd — MANUFACTURES — DAYTON — Concluded.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags.....	Machine operators	5	10	.....
Boxes (paper).....	Cutters	8	2	.....
“	Furnishers	24	2	.....
“	Foreman	1	10	.....
Bread and other bakery products.....	Packer	1	10	.....
Clothing	Machine operators	22	20	.....
Printing and binding.....	Press feeder	1	10	.....
Soap, candles and tallow.....	Soap makers	3	5	.....
Total and average.....	.....	65	9.2	.....

TABLE IVc—MANUFACTURES—TOLEDO.
AWNINGS, TENTS AND FLAGS—2 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Awning and tent makers	23	306	\$1 94	\$593 64	10

BATH CABINETS—3 ESTABLISHMENTS.

Helpers	10	297	\$0 70	\$207 90	10
Laborers	15	350	1 40	490 00	9
Tinsmiths	10	297	2 50	742 50	10
Wire workers	4	250	1 25	312 50	9

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—6 ESTABLISHMENTS.

Assemblers	117	301	\$1 75	\$516 75	9.2
Bench hands	90	300	1 35	405 00	10
Blacksmiths	4	298	2 00	596 00	10
Braziers	11	296	1 84	544 64	9.4
Buffers	3	300	2 25	675 00	9
Cement maker	1	260	1 75	455 00	9
Craters and shippers	8	300	2 00	600 00	9
Drop forgers	41	302	2 33	703 60	9.3
Drill hands	40	300	1 75	525 00	9
Enamelers	17	305	1 53	460 65	10
Engineers	6	292	2 16	630 72	9.3
Filers	18	300	1 75	525 00	9
Fireman	1	290	1 50	435 00	10
Forge hands	4	300	1 50	450 00	10
Grinders	8	290	1 75	507 50	10
Helpers	75	300	1 35	405 00	10
Inspectors	12	300	1 50	450 00	9
Laborers	20	292	1 32	385 44	10
Laborers (boys)	14	290	75	217 50	10
Lathe hands	18	300	1 75	525 00	9
Leather workers	4	300	2 50	750 00	9
Machinists	23	299	1 97	589 03	10
Machine hands	55	300	1 60	480 00	10
Machine and bench hands	110	296	1 50	444 00	10
Packers and yardmen	30	297	1 32	392 04	10
Painters	25	298	2 05	610 90	9.4
Platers	10	304	1 30	395 20	10
Polishers	24	293	2 85	835 05	10
Polishers and buffers	15	307	3 00	921 00	10
Punch press hands	4	300	1 25	375 00	9
Rattan workers	140	296	1 50	444 00	10
Repair hands	8	300	1 75	525 00	9
Rubbers and enamelers	9	300	1 35	405 00	9
Screw makers	18	300	2 00	600 00	9
Teamsters	4	300	1 94	582 00	9.2
Testers	7	300	1 35	405 00	9
Tool makers	66	301	3 05	918 05	9
Upholsterers	2	296	1 50	444 00	10
Watchman	1	260	1 50	390 00	10
Wheel makers	30	296	1 25	370 00	10
Wood workers	50	297	1 72	510 84	9.7

BILLIARD TABLES, BAR AND STORE FIXTURES—3 ESTABLISHMENTS.

Cabinet makers	28	300	\$2 22	\$666 00	10
Carpenters	5	300	1 15	345 00	10
Engineer	1	300	2 50	750 00	10
Laborers	17	300	1 40	420 00	10
Machine hands	12	300	2 00	600 00	10
Turners	3	300	2 25	675 00	10

TABLE IVe — MANUFACTURES — TOLEDO — Continued.
BOILERS, ENGINES AND TANKS — 4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmith	1	290	\$2 25	\$652 50	10
Blacksmith's helper	1	290	1 40	406 00	10
Boiler makers	21	296	2 40	710 40	10
Boiler makers' helpers	12	300	1 50	450 00	10
Carpenters	40	274	2 75	753 50	10
Calkers	15	274	2 75	753 50	10
Chippers	12	274	1 75	479 50	10
Draughtsmen	3	274	3 00	822 00	10
Draymen	2	290	1 50	435 00	10
Electricians	2	290	2 37	687 30	10
Electricians' helper	1	290	1 00	290 00	10
Elevator men	3	290	2 33	675 70	10
Engineers	3	283	2 50	707 50	10
Firemen	4	274	1 75	479 50	10
Fitters	90	274	3 50	959 00	10
Foremen	7	267	4 36	1 164 12	10
Handy men	7	290	1 86	539 40	10
Helpers	22	294	1 36	399 84	10
Joiners	65	274	2 50	685 00	10
Laborers	265	274	1 50	411 00	10
Machinists	84	275	2 98	819 50	10
Machinists' helpers	3	290	1 25	362 50	10
Moulders	6	290	2 04	591 60	10
Pattern maker	1	290	2 25	652 50	10
Pattern makers' helper	1	290	1 50	435 00	10
Riveters	60	274	3 50	959 00	10
Watchmen	2	274	1 50	411 00

BOXES (PAPER) — 2 ESTABLISHMENTS.

Box makers	14	300	\$0 91	\$273 00	10
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BOXES (WOODEN) — 4 ESTABLISHMENTS.

Box makers	10	246	\$1 69	\$415 74	9.6
Box makers (boys)	6	300	1 75	225 00	10
Engineers	2	290	2 41	698 90	10
Helpers	3	300	83	249 00	10
Laborers	9	280	1 25	350 00	9.5
Machine hands	10	280	1 50	420 00	9.5
Millman	1	300	2 00	600 00	10
Nailers	10	286	1 77	506 22	9.6
Sawyers	4	300	1 50	450 00	10
Teamsters	4	290	1 42	411 80	9.7

BREAD AND OTHER BAKERY PRODUCTS — 5 ESTABLISHMENTS.

Bakers	42	304	\$1 77	\$538 03	10
Drivers	13	306	1 84	563 04	10
Engineers	4	304	1 98	601 92	10
Foremen	3	310	3 50	1,085 00	10
Helpers	8	308	62	190 96	10
Hostler	1	308	1 83	559 64	10
Laborers	12	310	1 75	542 50	10
Shipping clerks	5	305	2 00	610 00	10
Shipping clerks' assistants	4	300	88	264 00	10

BROOMS AND BRUSHES — 6 ESTABLISHMENTS.

Broom makers	16	284	\$1 87	\$531 03	9.3
Brush makers	85	301	1 74	523 74	9.7
Brush makers (boys)	43	297	65	193 05	9.5
Foreman	1	308	4 13	1,272 04	10
Machinists	4	308	2 75	847 00	10
Machine boys	3	308	1 00	308 00	10
Sewers	2	275	1 50	412 50	9
Sorters (boys)	9	275	73	200 75	9

TABLE IVe — MANUFACTURES — TOLEDO — Continued.
CARRIAGES AND WAGONS — 11 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	93	303	\$1 82	\$551 46	10
Blacksmiths' helpers	48	302	1 35	407 70	10
Carpenters	8	302	1 78	531 52	10
Carriage makers	6	300	1 75	525 00	10
Elevator boys	5	302	65	196 30	10
Helpers	48	302	80	241 60	10
Laborers	3	308	1 50	462 00	10
Machinists	4	302	2 50	755 00	10
Mechanics	20	302	1 70	513 40	10
Painters	94	303	1 79	642 37	9.6
Shippers	42	302	1 40	422 80	10
Trimmers	8	308	2 62	806 96	10
Watchmen	3	302	1 50	453 00	12
Wood workers	126	303	1 69	512 07	10
Yard hands and drivers	23	302	1 45	437 90	9.7

CARRIAGE AND WAGON MATERIALS — 4 ESTABLISHMENTS.

Benders	12	300	\$1 75	\$525 00	10
Benders' helpers	7	285	1 37	390 45	10
Carpenter	1	285	2 00	570 00	10
Engineers	5	290	2 23	646 70	9.6
Firemen	3	290	1 50	435 00	10
Foremen	3	285	2 50	712 50	10
Graders and sorters	18	309	1 50	463 50	10
Hammermen	2	292	1 73	505 16	9
Helpers	45	287	1 88	539 56	10
Laborers	55	294	1 32	388 08	10
Machinists	6	287	1 91	548 17	9.7
Machine hands	32	278	1 55	430 90	10
Packers	8	309	1 37	423 33	10
Sawyers	12	309	1 75	540 75	10
Shippers	5	309	1 50	463 50	10
Teamsters	12	299	1 77	529 23	10
Watchman	1	292	1 73	505 16	9
Yardmen	26	285	1 24	353 40	10

CIGARS — 19 ESTABLISHMENTS.

Apprentice	1	253	\$1 00	\$253 00	8
Cigar makers	86	289	1 90	359 10	8
Foreman	1	300	2 50	750 00	8
Packer	1	303	1 50	454 50	8
Strippers	16	297	68	201 96	8.5

CLOTHING — 5 ESTABLISHMENTS.

Button machine operators	2	290	\$0 85	\$246 50	9
Coat makers	10	308	2 50	770 00	10
Cutters	19	299	1 76	526 24	9
Helpers	10	300	1 50	450 00	9
Machine operators	35	300	2 47	741 00	10
Packers	2	290	85	246 50	9
Porters	3	300	1 60	480 00	9
Pressers	11	300	1 75	525 00	8
Shipping clerk	1	300	1 00	300 00	9
Stock clerk	1	300	1 25	375 00	9
Tailors	51	251	2 99	750 49	9
Vest and pant makers	10	303	2 00	616 00	10
Watchmen	2	300	1 54	462 00	12

COFFEE, BAKING POWDER AND SPICES — 2 ESTABLISHMENTS.

Engineers and firemen	8	275	\$1 85	\$508 75	10
Porters	75	275	1 50	412 50	10
Roasters	16	285	1 68	478 80	10.4
Roasters' helpers	10	275	1 63	443 25	11
Spice department hands	12	275	1 33	365 75	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.
COOPERAGE—4 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Coilers	3	87	\$2 00	\$174 00	10
Coopers	32	289	1 69	488 41	9
Engineers	6	87	2 00	174 00	10
Equalizers	3	87	1 50	130 50	10
Foremen	3	87	2 00	174 00	10
Handle makers	3	250	1 35	337 50	10
Jointer	1	87	1 50	130 50	10
Laborers	90	87	1 25	108 75	10
Matcher	1	87	1 50	130 50	10
Packer	1	87	1 50	130 50	10
Sawyers	3	87	2 00	174 00	10
Stave cutters	3	87	3 00	261 00	10
Stave jointers and helpers	15	87	3 00	261 00	10
Turner	1	87	1 50	130 50	10
Yardmen	3	300	1 50	450 00	9

COPPER AND BRASS GOODS—2 ESTABLISHMENTS.

Apprentice	1	306	\$1 00	\$306 00	9
Finishers (brass)	6	303	2 04	618 12	9
Foreman	1	306	2 75	841 50	9
Moulders (brass)	5	302	2 00	604 00	9

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—2 ESTABLISHMENTS.

Knitters	11	270	\$1 32	\$356 40	9.5
Presser	1	291	75	218 25	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—4 ESTABLISHMENTS.

Compounder	1	281	\$3 33	\$935 73	10
Compounder's assistant	1	281	2 33	654 73	10
Foreman	1	200	2 25	450 00	.....
Laborers	8	293	1 29	379 97	10
Packers	5	200	40	80 00	9

EXTRACTS, TOILET ARTICLES AND PERFUMERY—2 ESTABLISHMENTS.

Bottler	1	308	\$1 33	\$409 64	9
Chemist	1	310	1 50	465 00	10
Mixer	1	308	1 33	409 64	9

FLOURING MILL PRODUCTS—7 ESTABLISHMENTS.

Barrel nailers	2	223	\$1 50	\$334 50	9
Coopers	14	231	1 93	445 83	10
Elevator foreman	1	223	3 84	856 32	9
Elevator men	10	223	1 58	352 34	9
Engineers	10	252	2 45	617 40	10
Firemen	9	223	1 68	374 64	9.7
Foremen	3	274	1 66	454 84	9.6
Grinders	4	217	2 03	440 51	9.2
Helpers	6	260	1 73	449 80	9.6
Laborers	59	255	1 50	382 50	10
Laborers (boys)	2	223	88	196 24	9
Millers	24	220	1 99	437 80	10.3
Mill clerk	1	223	2 00	446 00	9
Millwrights	3	249	3 28	816 72	9.3
Oilers	5	250	1 50	375 00	9
Packers	19	235	1 92	451 20	9
Sweepers	4	223	1 50	334 50	9
Teamsters	9	251	1 77	444 27	10
Watchman	1	223	1 50	334 50	9
Wheat cleaners	2	223	1 75	390 25	9

TABLE IVe — MANUFACTURES — TOLEDO — Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS — 14 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	7	805	\$0 57	\$173 85	9
Assemblers	22	187	1 76	329 12	10
Blacksmiths	6	304	2 54	772 16	9.7
Boiler makers	6	276	2 17	598 92	10
Carpenters	19	302	2 24	676 48	9.8
Core makers	114	302	1 70	513 40	10
Die makers	7	299	2 43	726 57	9.7
Enamellers	4	154	2 00	308 00	10
Engineers	11	298	1 72	512 56	10
Finishers	13	297	2 30	683 10	10
Foremen	2	234	3 25	923 00	10
Foundry men	67	251	1 55	389 05	10
Furnace men	43	302	1 88	567 76	10
Grinders	22	267	2 00	534 00	10
Hammer men	12	266	1 50	399 00	10
Helpers	71	310	1 38	427 80	9.5
Laborers	770	300	1 47	441 00	10
Machinists	141	292	2 17	633 64	9.6
Millwrights	4	305	2 75	838 75	9
Moulders	346	303	2 29	693 87	10
Moulders and core makers	91	297	2 05	608 85	10
Packer	1	154	2 00	308 00	10
Pattern makers	23	301	2 37	713 37	10
Polishers	5	210	2 95	619 50	10
Pressmen	5	275	1 50	412 50	10
Repairers	2	300	1 00	300 00	10
Riveter	1	300	2 00	600 00	10
Shipper	1	154	1 75	269 50	10
Steam fitters	12	320	3 00	960 00	8
Toy makers	23	207	1 35	279 45	10
Teamster	1	154	1 25	192 50	10
Watchmen	2	207	1 75	362 25	11
Wood workers	19	297	1 62	481 14	10

FURNITURE — 10 ESTABLISHMENTS.

Apprentices	9	306	\$0 92	\$281 52	9.6
Cabinet makers	53	305	2 03	619 15	9.6
Cabinet makers and machine men	12	308	2 50	770 00	10
Carpenters	2	304	1 25	381 00	10
Carvers	15	293	2 47	736 06	9.2
Cover makers	4	304	70	212 80	10
Cutter	1	304	1 25	381 00	10
Engineers	2	309	2 25	695 25	9.7
Finishers	35	301	1 74	523 74	9.9
Firemen	2	306	1 60	489 60	9.5
Foremen	3	305	2 08	634 40	9.8
Helpers	35	306	1 32	403 92	9.7
Laborers (boys)	4	280	75	210 00	10
Machine hands	50	307	2 60	798 20	9.6
Mill hands	8	280	1 50	420 00	10
Packers	3	304	60	182 40	10
Painters	8	312	1 00	312 00	10
Shipping clerks	4	306	2 00	612 00	9.7
Teamsters	3	307	1 55	475 85	9.8
Trimmers	8	304	1 45	440 80	10
Upholsterers	45	301	1 70	511 70	10
Watchmen	3	306	1 50	459 00	9.5
Wood workers	55	299	1 39	415 61	10
Yardmen	3	306	1 50	459 00	9

HARNESS AND SADDLERY — 3 ESTABLISHMENTS.

Collar makers	15	290	\$1 50	\$435 00	10
Harness makers	11	308	1 73	532 84	10

TABLE IVc — MANUFACTURES — TOLEDO — Continued.
IRON (STRUCTURAL AND ARCHITECTURAL) — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	26	300	\$1 88	\$564 00	10
Bridge and structural workers.....	344	300	1 66	498 00	10
Draughtsmen	30	300	3 80	1,140 00	8
Helpers	16	300	1 50	750 00	9.5
Iron workers	6	300	2 50	750 00	9.5
Machinists and helpers.....	34	300	2 50	750 00	10
Moulders	3	300	2 50	750 00	9.5
Pattern makers	2	300	2 75	825 00	9.5

LIME, SAND, CEMENT AND PLASTER — 3 ESTABLISHMENTS.

Engineer	1	300	\$2 00	\$600 00	10
Foreman	1	300	2 00	600 00	10
Kiln men	14	365	1 60	584 00	12
Laborers	42	236	1 68	396 48	10
Mill hands	35	365	1 60	584 00	9
Quarrymen	36	365	1 40	511 00	10
Teamsters	40	210	3 50	735 00	10

MACHINERY — 9 ESTABLISHMENTS.

Apprentices	12	305	\$1 75	\$533 75	9
Blacksmiths	28	301	2 45	737 45	9.5
Blacksmiths' helpers	15	300	1 50	450 00	10
Carpenters	14	300	2 11	633 00	10
Carpenters' helpers	5	300	1 50	450 00	10
Cupola tender	1	304	2 00	608 00	10
Die makers	31	297	2 55	757 35	9
Draughtsmen	4	299	3 35	1,001 65	9
Draughtsmen's assistants	2	304	1 00	304 00	9
Drill hands	3	305	1 50	457 50	9
Drivers	2	301	1 38	415 38	9.5
Engineers	5	302	1 92	579 84	10.2
Engineers' helpers	2	300	1 00	300 00	10
Erectors	14	305	2 40	732 00	9
Grinder	1	306	1 50	459 00	9
Helpers	57	300	1 23	369 00	9
Laborers	53	302	1 49	449 98	10
Lathe hands	11	305	2 60	793 00	9
Machine hands	22	298	1 31	390 33	9
Machinists	189	301	2 36	710 36	9.3
Machinists' helpers	45	302	1 50	453 00	9.4
Moulders	90	302	2 23	673 46	10
Moulders' helpers	20	300	1 45	435 00	10
Pattern makers	8	300	2 93	879 00	9
Plater	1	306	3 50	1,071 00	9
Polishers	2	306	2 50	765 00	9
Receiving clerk	1	300	1 75	525 00	10
Repairer	1	306	1 75	535 50	9
Shipping clerks	2	303	1 63	493 89	10
Storekeepers	2	300	1 50	450 00	10
Timekeepers	3	300	1 50	450 00	10
Tool makers	3	306	3 25	994 50	9
Watchmen	5	302	1 45	437 90	11

MARBLE AND GRANITE — 2 ESTABLISHMENTS.

Cutters (granite)	10	309	\$2 95	\$911 55	8.6
Cutters (marble)	4	308	2 30	708 40	10
Engineer	1	304	2 20	668 80	10
Helpers	3	309	1 42	438 78	10
Polisher (granite)	1	312	2 00	624 00	10
Polishers (marble)	6	311	1 60	466 50	10

TABLE IVc — MANUFACTURES — TOLEDO — Continued.
MATTRESSES AND PILLOWS — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Driver	1	300	\$1 25	\$375 00	10
Fillers	2	300	1 00	300 00	10
Finisher	1	300	1 50	450 00	10
Spring makers	11	308	1 64	505 12	10

OIL AND GREASE — 6 ESTABLISHMENTS.

Bottleman	1	313	\$2 88	\$901 44	10
Bricklayers	2	313	2 75	860 75	10
Carpenter	1	313	2 50	782 50	10
Car repairers	5	313	1 73	557 14	10
Coopers	7	311	1 98	615 78	10
Drillers	8	310	4 00	1,240 00	11
Engineers	13	265	2 11	559 15	11
Filler	1	198	2 00	396 00	10
Firemen	14	316	1 81	571 96	12
Gaugers	5	313	2 50	782 50	10
Laborers	67	291	1 75	509 25	10
Machinist	1	313	2 75	860 75	10
Moulders	16	130	1 80	234 00	12
Panmen	2	313	1 92	600 96	10
Pipe fitters	9	359	1 91	685 69	10
Pressmen	8	130	1 90	247 00	12
Pumpers	41	308	2 04	628 32	10
Stillmen	5	344	2 34	804 96	12
Teamsters	8	313	1 84	575 92	10
Tool dressers	8	310	3 00	930 00	11
Treaters	3	343	2 45	852 60	10
Trimmers	2	198	1 80	356 40	12
Watchmen	3	191	1 70	324 70	10.7

PAINTS AND VARNISHES — 3 ESTABLISHMENTS.

Compounder	1	300	\$2 50	\$750 00	10
Drayman	1	250	1 50	375 00	8
Engineers	2	279	1 99	555 21	9
Foreman	1	250	3 25	812 50	8
Grinders	2	275	1 54	423 50	9
Helpers	2	300	1 08	324 00	10
Labeller	1	307	90	276 30	10
Laborer	1	250	1 50	375 00	8
Mixers	2	307	1 50	460 50	10
Packers	2	279	1 50	418 50	9
Paint makers	5	307	1 75	537 25	10
Putty maker	1	307	1 50	460 50	10
Shipping clerk	1	307	1 67	512 69	10
Varnish makers	2	307	1 75	537 25	10

PRINTING AND BINDING — 18 ESTABLISHMENTS.

Apprentices	11	311	\$0 61	\$189 71	9.5
Binders	27	290	1 96	568 40	9
Compositors	49	301	2 46	740 46	9
Coverers	3	312	75	236 00	9
Engraver	1	306	6 75	2,065 50	8
Finisher	1	312	2 50	780 00	.....
Foreman	1	305	3 00	915 00	9
Forwarders	3	305	2 00	610 00	9
Helpers	2	312	85	265 20	9
Laborer (boy)	1	305	50	152 50	9
Machine operator	1	306	1 17	358 02	10
Packer	1	306	67	205 02	10
Photographers	3	306	1 66	507 96	9
Plate printers	4	306	1 00	306 00	9
Press feeders	25	310	1 31	406 10	9

TABLE IVc—MANUFACTURES—TOLEDO—Continued.
PRINTING AND BINDING—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Pressmen	29	297	2 18	649 46	9
Ruler	1	312	2 25	702 00	9
Sewers	2	312	85	265 20	9
Stitchers	3	312	75	236 00	9
Wood worker	1	306	2 50	765 00	10

PUMPS AND WATER-WHEELS—4 ESTABLISHMENTS.

Foreman	1	275	\$3 00	\$825 00	10
Helpers	3	250	1 25	312 50	10
Iron workers	4	275	1 25	343 75	10
Laborers	2	250	1 25	312 50	10
Machinists	2	250	2 00	500 00	10
Moulders	2	250	2 37	592 50	10
Painters and finishers	4	283	1 56	449 28	10
Pump fitters	22	306	1 40	428 40	10
Shippers	2	300	1 50	450 00	10

SASH, DOORS, LUMBER AND INTERIOR FINISH—14 ESTABLISHMENTS.

Bench hands	7	290	\$2 00	\$580 00	10
Carpenters	48	299	2 22	663 78	10
Carpenters and machine men	54	296	1 55	458 80	9.5
Draughtsman	1	296	3 33	985 68	.....
Edger	1	270	2 00	540 00	10
Electrician	1	304	2 12	644 48	10
Engineers	7	292	2 02	589 84	10
Feeders	3	295	2 25	663 75	10
Filer	1	270	2 00	540 00	10
Floor men	20	296	1 87	573 20	10
Foremen	13	297	2 63	781 11	9.8
Glazier	1	300	1 60	480 00	9
Guers	2	300	1 75	525 00	9
Helpers	23	299	70	209 30	9.8
Laborers	116	301	1 40	421 40	10
Lathe hands	2	270	1 52	410 40	10
Lumber handlers	2	304	1 50	456 00	10
Lumber pilers	7	300	1 25	375 00	8
Machine men	80	293	2 03	604 94	9.9
Off-bearer	1	270	1 45	391 50	10
Off-bearers (boys)	3	270	60	162 00	10
Receivers	3	295	1 25	368 75	10
Rippers	2	295	1 35	398 25	10
Sawyers	4	270	1 44	388 80	10
Shippers	3	297	1 75	519 75	9.7
Sorters	3	295	1 87	551 65	10
Stock handlers	4	270	65	175 50	10
Teamsters	29	302	2 50	755 00	10
Watchmen	2	285	1 25	356 25	10
Yardmen	34	293	1 50	439 50	10

SOAP, CANDLES AND TALLOW—2 ESTABLISHMENTS.

Engineer	1	306	\$1 50	\$459 00	10
Laborers	6	306	92	281 52	10
Soap makers	9	308	1 33	409 64	10

SODA AND MINERAL WATERS—3 ESTABLISHMENTS.

Bottlers	7	288	\$2 11	\$607 68	8.9
Bottlers' helper	1	207	1 16	240 12	10
Bottle washers	13	280	1 14	319 20	9
Drivers	13	303	2 15	651 45	8.6
Drivers' helper	1	307	1 50	460 50	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.

SODA AND MINERAL WATERS—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engineer	1	300	\$2 50	\$750 00	10
Hostlers	2	307	1 43	439 01	8.8
Laborers	7	300	1 00	300 00	9
Packer	1	306	1 37	519 22	7.5
Peddlers	3	207	3 05	631 35	10
Watchman	1	300	1 50	450 00	10

STEEL, IRON AND TIN—2 ESTABLISHMENTS.

Annealers	14	300	\$1 50	\$450 00	10
Carpenters and millwrights.....	5	300	2 25	675 00	10
Drawers	35	300	1 50	450 00	10
Engineers	7	106	2 00	212 00	10
Heaters	7	106	6 00	636 00	10
Heaters' helpers	7	106	3 00	318 00	10
Hookers and roll hands.....	32	106	2 25	238 50	10
Laborers	290	116	1 36	157 76	10
Machinists	23	275	2 28	627 00	10
Picking department hands.....	17	300	1 50	450 00	10
Power department hands.....	12	300	1 75	525 00	10
Puddlers	24	106	4 50	477 00	10
Puddlers' helpers	38	106	2 60	275 60	10
Rollers	6	106	8 00	848 00	10
Rolling mill hands.....	75	300	3 00	900 00	10
Roughers and catchers.....	16	106	4 00	424 00	10
Shearmen	13	106	2 00	212 00	10
Shippers	18	300	1 50	450 00	10

STENCILS, STAMPS AND SEALS—2 ESTABLISHMENTS.

Engraver	1	312	\$2 50	\$780 00	9
Helper	1	312	60	187 20	9
Moulder	1	312	1 00	312 00	9
Pressman	1	312	1 00	312 00	9
Stamp makers	3	308	2 75	847 00	9
Typesetter	1	312	1 50	468 00	9

STONE (CUT, SAWED AND ARTIFICIAL)—4 ESTABLISHMENTS.

Asphalt mixers	2	195	\$2 25	\$438 75	11
Blacksmith	1	180	1 75	315 00	10
Carpenters	4	191	2 44	275 04	10
Engineers	5	191	2 20	420 20	11.2
Firemen	2	195	1 80	351 00	12
Helper	1	180	1 75	315 00	10
Laborers	143	205	1 60	328 00	10
Mill hand	1	210	1 75	367 50	10
Sidewalk layers	4	180	2 25	405 00	10
Stone cutters	18	207	3 43	720 36	10
Stone mason	1	180	2 50	450 00	10
Teamsters	2	180	1 50	270 00	10

STOVES, RANGES AND FURNACES—2 ESTABLISHMENTS.

Laborers	28	249	\$1 54	\$383 46	10
Moulders	42	236	2 36	556 96	10
Mounters	3	300	1 50	450 00	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—11 ESTABLISHMENTS.

Decorator	1	290	\$2 00	\$580 00	9.7
Foremen	2	250	3 05	762 50	10
Galvanizers	14	240	1 35	324 00	10

TABLE IVc — MANUFACTURES — TOLEDO — Continued.

TINWARE, SHEET IRON AND GALVANIZED IRONWARE — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	20	256	\$0 72	\$184 32	9.6
Iron workers	5	290	1 40	406 00	9.7
Laborers	48	252	1 38	347 76	10
Laborers (boys)	10	290	75	217 50	9.7
Machine hands	40	240	1 25	300 00	10
Machinists	18	273	2 44	666 12	8.4
Mechanic	1	200	2 00	400 00	10
Packers and shippers	13	251	1 31	328 81	10
Painters	5	270	1 84	496 80	10
Pressmen	4	293	1 63	477 59	9.8
Slaters	2	360	2 40	864 00	9
Slaters' helpers	2	360	1 50	540 00	9
Solderers	15	257	1 32	329 24	10
Teamster	1	360	1 50	540 00	10
Tinners	32	287	2 23	640 01	9

TOOLS — 2 ESTABLISHMENTS.

Filer	1	305	\$1 50	\$457 50	8
Grinder	1	305	1 80	549 00	9
Helpers	3	309	1 52	469 68	9.9
Saw makers	3	310	2 25	697 50	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS — 3 ESTABLISHMENTS.

Carenters	4	240	\$2 00	\$480 00	10
Carpenters and apprentices	8	307	1 25	383 75	10
Gate and fence builders	2	250	1 55	387 50	10
Iron workers	6	307	2 00	614 00	10
Laborers	8	240	1 00	240 00	10
Machine hand	1	250	1 60	400 00	10
Wire workers	6	307	2 00	614 00	10

MISCELLANEOUS — 29 ESTABLISHMENTS.

Action man	1	307	\$2 75	\$844 25	10
Apprentices	4	308	75	231 00	10
Artist	1	308	8 00	2,464 00	8
Benck hands	6	260	1 50	390 00	10
Blacksmiths	2	307	3 25	997 75	8
Boatman	1	275	1 50	412 50	10
Bolt makers	2	307	2 50	767 50	8
Buffer	1	308	1 50	462 00	10
Candy makers	3	308	1 50	462 00	10
Cap makers	7	302	2 00	600 00	9
Carpenters	3	326	2 77	903 02	9.3
Carpet layers	2	306	1 87	572 22	9.5
Cock makers	5	260	2 00	520 00	10
Cupola tender	1	180	1 75	315 00	10
Cutters	12	292	1 60	467 20	9.4
Dryers	2	300	1 35	405 00	9
Electrotyper	1	304	1 67	507 68	10
Engineers	6	277	2 24	620 48	9.2
Engravers	5	308	2 87	883 96	8
Erectors	4	250	2 25	562 50	8.5
Filers	3	260	1 25	325 00	10
Finisher	1	304	2 50	760 00	10
Fireman	1	308	1 00	308 00	10
Fitters	4	260	2 00	520 00	10
Fitters' helpers	3	260	1 00	260 00	10
Foremen	4	314	2 01	631 14	10
Framers	10	280	1 25	350 00	10
Gilders	10	280	1 75	490 00	10
Grinders	10	236	1 00	236 00	10
Gum maker	1	300	2 50	750 00	9

TABLE IVe — MANUFACTURES — TOLEDO — Continued.

MICELLANEOUS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	51	267	\$1 18	\$315 07	9.6
Laborers	84	282	1 79	504 78	9
Lacquerers	2	260	1 25	325 00	10
Lathe hands	5	260	1 50	390 00	10
Machine hands	43	280	1 66	464 80	9.9
Machinists	92	286	2 16	617 76	9.5
Mechanics	2	306	2 00	612 00	9.5
Millers	2	335	2 50	837 50	10
Millers' helpers	2	335	2 50	837 50	10
Mixers	2	275	1 75	481 25	10
Moulders	10	204	1 80	367 20	10
Moulders' helpers	4	260	1 00	260 00	10
Nitro glycerine maker.....	1	275	2 35	546 25	10
Packers	6	315	1 63	513 45	10
Painters	4	233	2 19	510 27	8.9
Pattern makers	2	307	2 67	819 69	8
Piano maker	1	307	2 50	767 50	10
Piece workers	4	250	2 75	687 50	8.5
Platers	2	260	2 25	585 00	10
Polishers	23	274	1 66	454 84	10
Pressmen	11	292	2 11	616 12	8.5
Rattler man	1	180	1 00	180 00	10
Rim makers	6	308	1 50	462 00	10
Screw cutters	6	307	2 10	644 70	8
Shipping clerks	7	274	1 27	347 98	10
Spinners	2	260	2 50	650 00	10
Stringer	1	307	1 00	307 00	10
Sweepers and oilers.....	4	335	1 50	502 50	10
Teamsters	4	307	2 04	626 28	8
Tinners	10	120	2 00	240 00	9
Tool maker	1	303	3 00	924 00	10
Truckmen	10	335	1 50	502 50	10
Trunk makers	20	306	1 75	535 50	9
Varnisher	1	307	2 00	614 00	10
Watchman	1	260	1 50	390 00	10
Wheel makers	3	250	2 75	687 50	8.5
Wood turners	5	308	1 64	505 12	10
Wood workers	2	180	1 50	270 00	10

TABLE IVe—MANUFACTURES—TOLEDO—Continued.
AWNINGS, TENIS AND FLAGS—2 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Awning and tent makers.....	40	306	\$1 02	\$312 12	10

BATH CABINETS—2 ESTABLISHMENTS.

Laborers	10	350	\$1 40	\$490 00	9
Machine hands	7	250	80	200 00	9
Machine hands' helpers.....	3	250	40	100 00	9

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILS—3 ESTABLISHMENTS.

Labellers	22	260	\$0 70	\$182 00	8
Painters	6	300	1 00	300 00	10
Sewers	12	296	75	222 00	10
Stockkeepers	2	300	1 00	300 00	10
Upholsterers	11	296	75	222 00	10

BOXES (PAPER)—2 ESTABLISHMENTS.

Box makers	53	300	\$0 56	\$168 00	9.7
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BOXES (WOODEN)—2 ESTABLISHMENTS.

Box makers	6	300	\$1 08	\$324 00	10
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BREAD AND OTHER BAKERY PRODUCTS—2 ESTABLISHMENTS.

Packers	47	309	\$0 67	\$207 03	10
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BROOMS AND BRUSHES—2 ESTABLISHMENTS.

Brush makers	93	299	\$0 79	\$236 21	9.6
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CARRIAGES AND WAGONS—1 ESTABLISHMENT.

Sewing machine girls.....	2	302	\$1 00	\$302 00	10
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CIGARS—8 ESTABLISHMENTS

Cigar makers	4	295	\$0 80	\$236 00	8.5
Packer	1	310	3 00	930 00	8
Strippers	5	284	69	195 96	8

CLOTHING—6 ESTABLISHMENTS.

Button sewers	6	300	\$0 50	\$150 00	9
Cutters	12	300	1 12	336 00	9
Finishers	2	290	1 00	290 00	9
Forewomen	4	300	1 25	375 00	9
Hand sewers	100	300	70	210 00	8
Helpers	10	300	1 00	300 00	9
Machine operators	397	298	77	229 46	8.7
Pressers	12	299	1 04	310 96	8
Pressers and folders.....	20	300	80	240 00	9
Stock girls	5	300	50	150 00	9
Tailoresses	50	250	1 50	375 00	9

COFFEE, BAKING POWDER AND SPICES—2 ESTABLISHMENTS.

Advertising department hands.....	75	275	\$1 10	\$302 50	10
Packers	12	268	1 00	268 00	9.5

TABLE IVc — MANUFACTURES — TOLEDO — Continued.
COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Crocheters	125	291	\$0 75	\$218 25	10
Finishers	12	268	1 00	268 00	9.5
Knitters	60	291	75	218 25	10
Machine operators	18	300	63	189 00	9
Pressers	3	268	1 25	335 00	9.5

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 3 ESTABLISHMENTS.

Laborer	1	307	\$0 64	\$196 48	9
Janitress	1	281	1 00	281 00	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 2 ESTABLISHMENTS.

Forewoman	1	308	\$0 83	\$255 64	9
Labellers	3	308	50	154 00	9
Laborers	3	300	75	225 00	8
Wrapper	1	308	67	206 36	9

FOUNDRY AND MACHINE SHOP PRODUCTS — 2 ESTABLISHMENTS.

Laborers	4	260	\$0 60	\$156 00	10
Toy makers	25	207	55	113 85	10

FURNITURE — 2 ESTABLISHMENTS.

Cutter	1	304	\$1 25	\$380 00	10
Sewers	9	307	87	267 09	10

MACHINERY — 1 ESTABLISHMENT.

Janitress	1	300	\$0 55	\$165 00	3
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MATTRESSES AND PILLOWS — 2 ESTABLISHMENTS.

Finishers	2	300	\$1 00	\$300 00	10
Sewers	2	300	1 75	525 00	10
Weaver	1	308	75	281 00	10

PAINTS AND VARNISHES — 1 ESTABLISHMENT.

Labeller	1	307	\$0 83	\$254 81	10
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PRINTING AND BINDING — 7 ESTABLISHMENTS.

Apprentice	1	306	\$0 50	\$153 00	10
Binders	32	285	78	222 30	8.7
Compositor	1	291	67	194 97	9
Folders	2	312	1 25	400 00	9
Labellers	2	306	50	153 00	10
Press feeder	1	310	1 75	542 50	9
Sewers	6	306	87	266 22	9
Stampers	10	306	87	266 22	9
Stitcher	1	306	91	278 46	10

SOAP, CANDLES AND TALLOW — 1 ESTABLISHMENT.

Soap makers	3	308	\$0 43	\$132 44	10
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TABLE IVe — MANUFACTURES — TOLEDO — Concluded.
STENCILS, STAMPS AND SEALS — 1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Rubber stamp worker.....	1	306	\$1 00	\$306 00	7
MISCELLANEOUS — 11 ESTABLISHMENTS.					
Cap makers	8	302	\$0 85	\$256 70	9
Casers	2	300	80	240 00	9
Chocolate dippers	7	308	55	169 40	10
Gilders	11	280	1 00	280 00	10
Helpers	36	294	56	164 64	9.8
Mitten makers	36	290	77	223 30	9.5
Packers	28	300	59	177 00	8.8
Sewers	2	306	87	266 22	9.5
Shell maker	1	275	1 00	275 00	10
Stemmers	10	300	60	180 00	9
Weavers	3	306	87	266 22	9.5
Wrappers	12	303	61	184 83	9.3

TABLE IV^{ee} — MANUFACTURES — TOLEDO.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Bath cabinets	Wire workers	4	15	.....
Cigars	Strippers	2	15	.....
Cooperage	Coopers	7	5	.....
Extracts, toilet articles and perfumery	Mixer	1	14	.....
Flouring mill products.....	Helpers	2	10	.....
“	Packers	8	10	.....
“	Millers	8	5	.....
Foundry and machine shop products	Die makers	2	12.5	.....
“	Machinists	2	12.5	.....
“	Toy makers	23	22	.....
Furniture	Cabinet makers	5	10	.....
“	Carvers' apprentice	2	5	.....
“	Machine operators	40	5	.....
“	Shipping clerks	2	5	.....
“	Teamster	1	5	.....
Iron (structural and architectural).....	Yardmen	3	5	.....
“	Blacksmiths	2	10	.....
Lime, sand, cement and plaster.....	Iron workers	6	5	.....
“	Kiln hands	14	15	.....
“	Mill hands	35	15	.....
Machinery	Quarrymen	36	15	.....
“	Apprentices	1	12.5	.....
“	Blacksmiths	17	10.1	.....
“	Blacksmiths' helpers	15	10	.....
“	Carpenters	12	10	.....
“	Carpenters' helpers	5	10	.....
“	Die makers	31	.....	5.5
“	Draughtsmen	4	9.7	.....
“	Draughtsman's assistant	1	10	.....
“	Engineers	3	8.3	.....
“	Engineers' helpers	2	10	.....
“	Helpers	39	.....	4
“	Helpers	2	12.5	.....
“	Laborers	30	10	.....
“	Machinists	66	.....	4
“	Machinists	61	10.2	.....
“	Machinists's helpers	20	10	.....
“	Machine hands	18	.....	20
“	Molders	38	10	.....
“	Molders' helpers	20	10	.....
“	Pattern makers	5	28	.....
“	Receiving clerk	1	10	.....
“	Shipping clerk	1	10	.....
“	Store keepers	2	10	.....
“	Teamsters	1	.....	8
“	Time keepers	3	10	.....
“	Tool makers	3	10	.....
“	Watchmen	2	10	.....
Paints and varnishes.....	Drayman	1	10	.....
“	Engineer	1	10	.....
“	Grinder	1	10	.....
“	Packer	1	10	.....
Printing and binding.....	Apprentices	6	13.3	.....
“	Binders	13	7.4	.....
“	Compositor	5	10	.....
“	Machine operator	1	16.7	.....
“	Packer	1	33.3	.....
“	Press feeders	2	15.5	.....
“	Pressmen	2	10	.....
“	Woodworker (machine)	1	7	.....
Sash, doors, lumber and interior finish	Carpenters	6	10	.....
“	Electrician	1	6.2	.....
“	Engineer	1	10	.....
“	Laborers	56	6	.....
“	Lumber handlers	2	10	.....
“	Machine hands	65	9.9	.....
“	Shippers	2	10	.....
“	Sorters	3	10	.....
“	Teamsters	2	10	.....
Soap, candles and tallow	Soap makers	9	10	.....
Soda and mineral waters.....	Bottlers	2	12	.....
“	Bottle washers	4	12	.....
“	Driver	5	12	.....

TABLE IVee — MANUFACTURES — TOLEDO — Continued.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Soda and mineral waters.....	Packer	1	12	.....
Stencils, stamps and seals.....	Engraver	1	25	.....
"	Helper	1	20	.....
"	Molder	1	20	.....
"	Pressmen	1	20	.....
"	Stamp maker	3	10	.....
"	Typesetter	1	15	.....
Steel, iron and tin.....	Drawing department hands.....	35	10	.....
"	Engineers	7	5	.....
"	Heaters	7	11	.....
"	Heaters' helpers	7	11	.....
"	Helpers	38	16	.....
"	Hookers and roll hands.....	32	10	.....
"	Laborers	275	10	.....
"	Machinists	3	10	.....
"	Puddlers	24	16	.....
"	Rollers	6	11	.....
"	Rolling mill hands.....	75	10	.....
"	Roughers and catchers.....	16	11	.....
"	Shearmen	13	5	.....
Tinware, sheet iron & galv. ironware	Foreman	1	10	.....
"	Laborers	11	10	.....
"	Machinists	10	25	.....
"	Press hand	1	10	.....
"	Tinners	7	4.3	.....
Wire rods, wire cloth and wire goods	Carpenters and apprentices	8	5	.....
"	Iron workers	6	5	.....
"	Wire workers	6	5	.....
Miscellaneous	Belt makers	2	5	.....
"	Carpet layers	2	10	.....
"	Engineer	1	.....	60
"	Helpers	12	10	.....
"	Laborers	18	10	.....
"	Piano maker	1	25	.....
"	Pressmen	5	10	.....
"	Screw cutters	6	5	.....
"	Trunk makers	20	5	.....
"	Varnisher	1	12.5	.....
Total and averages.....	.....	1,304	10.4	.....
	.....	156	.....	6.5

TABLE IVee — MANUFACTURES — TOLEDO — Concluded.

Table by Industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Bath cabinets	Machine hands	7	15	.....
Clothing	Machine operators	23	10	.....
Foundry and machine shop products...	Toy makers	25	32	.....
Printing and binding.....	Apprentice	1	20	.....
“	Labelers	2	20	.....
“	Press feeders	1	10	.....
Miscellaneous	Helpers	6	10	.....
“	Laborers	12	10	.....
Total and average .....	.....	82	17.5	.....

TABLE IVf—CITIES.
ADVERTISING NOVELTIES AND SIGNS—4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Artists	10	308	\$3 70	\$1,139 60	8.7
Carpenter	1	308	1 00	308 00	10
Designer	1	308	2 00	616 00	10
Engineer	1	308	2 50	770 00	10
Engravers	3	308	2 27	699 16	10
Errand boy	1	144	50	72 00	10
Fireman	1	308	1 67	514 36	10
Laborers	12	308	1 42	437 36	10
Press feeders	10	308	1 51	465 08	10
Pressmen	9	308	2 13	656 04	10
Printers	2	308	1 10	338 80	10
Sign makers	3	307	1 66	509 62	9
Watchman	1	308	1 95	600 60	13

AGRICULTURAL IMPLEMENTS—27 ESTABLISHMENTS.

Apprentices	8	304	\$1 05	\$319 20	10
Assemblers	12	200	1 75	350 00	9
Bench hands	26	297	1 91	567 27	10
Blacksmiths	254	305	2 18	664 90	10
Blacksmiths' helpers	20	292	1 58	461 36	10
Boiler makers	49	301	3 05	918 05	10
Bolt-shop hands	20	300	1 70	510 00	10
B. and M. Experts.....	35	275	2 80	770 00	10
Carpenters	124	296	1 67	494 32	10
Coal handlers	5	304	1 41	428 64	8
Core makers	14	275	1 48	407 00	10
Cupola tenders	4	278	1 75	486 50	10
Draughtsmen	9	301	2 25	677 25	10
Drill hands	23	232	1 40	324 80	9.3
Engineers	11	263	2 09	549 67	10
Erectors	26	199	1 50	298 50	10
Fitters	16	263	1 98	520 74	9.8
Foremen	19	215	2 88	619 20	9.7
Forge hands	9	290	3 00	870 00	8
Foundrymen	206	294	2 42	711 48	9.8
Gas house men	2	290	2 50	725 00	12
Grinders	19	295	2 19	646 05	9.5
Grinders and polishers	2	208	2 00	416 00	10
Helpers	120	262	1 87	489 94	10
Iron workers	55	267	2 38	635 46	10
Laborers	1,211	290	1 49	432 10	10
Laborers (boys)	11	309	80	247 20	10
Lumber handlers	20	304	1 41	428 64	8
Machine hands	425	290	1 82	527 80	10
Machinists	504	290	1 87	550 30	9.6
Molders	545	295	2 82	831 90	10
Molders' cleaners	12	310	1 38	427 80	9
Moulders' helpers	22	307	1 39	426 73	9.3
Packers	5	208	1 60	332 80	10
Painters	196	275	1 84	506 00	10
Pattern makers	40	278	2 47	686 66	10
Polishers	10	290	2 16	626 40	9
Pressmen	10	290	2 00	580 00	9
Rake makers	10	304	1 41	428 64	8
Setters-up	59	268	1 49	399 32	9.4
Teamsters	6	291	1 52	442 32	9.5
Teamster and helper.....	1	310	1 35	418 50	9
Tinners	2	305	2 25	686 25	10
Tool makers	8	301	2 15	647 15	10
Warehouse men	3	199	1 50	298 50	10
Watchmen	10	278	1 68	467 04	10
Wood turner	1	208	2 25	468 00	10
Wood workers	240	281	1 81	608 61	10

TABLE IVf — CITIES — Continued.
AWNINGS, TENTS AND FLAGS — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Awning hanger	1	65	\$1 80	\$117 00	10
Cutters, finishers and hangers.....	5	253	2 00	506 00	10

BAGS (PAPER AND BURLAP) — 2 ESTABLISHMENTS.

Beatermen	2	301	\$2 00	\$602 00	12
Cutter boy	1	306	1 00	306 00	10
Engineers	5	302	2 30	694 60	11.6
Engravers	3	301	2 50	752 50	8
Factory hands	13	301	1 75	526 75	10
Finishers	5	306	1 68	514 08	10
Firemen	4	301	2 00	602 00	12
Laborers	36	301	1 50	451 50	11
Machine hands	14	304	1 82	553 28	11
Millwrights	2	301	2 25	677 25	10
Paster	1	306	1 25	382 50	10
Press feeders	24	301	80	240 80	10
Pressmen	5	301	2 20	662 20	10
Roustabouts	2	306	1 50	459 00	10
Watchman	1	306	2 50	765 00	12

BASKETS — 3 ESTABLISHMENTS.

Basket makers	43	233	\$1 65	\$384 45	9.3
Laborers (boys)	18	285	1 50	427 50	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES — 11 ESTABLISHMENTS.

Assemblers	15	285	\$1 42	\$404 70	10
Bag makers	18	295	1 30	383 50	10
Blacksmiths	3	300	1 50	450 00	9
Buffers	4	295	2 98	879 10	10
Carpenter	1	295	2 00	590 00	10
Craters	3	291	1 67	485 97	10
Drayman	1	295	2 20	649 00	10
Drillers	10	295	\$1 07	\$315 65	10
Elevator boy	1	295	75	221 25	10
Enamelers	15	291	1 67	485 97	10
Engineers	2	295	2 00	590 00	10
Finishers	20	280	1 75	490 00	10
Finishers and helpers	75	275	1 60	440 00	10
Frame department hands	30	291	1 68	488 88	10
Furnace hands	2	291	2 00	582 00	10
Hair-pad makers	5	295	1 25	368 75	10
Helpers	5	170	1 15	195 50	9.4
Inspectors	3	291	2 05	596 55	10
Laborers	9	296	1 63	482 48	10
Laborer (boy)	1	306	50	153 00	10
Leather cutters	6	295	1 70	501 50	10
Leather finishers	13	295	1 75	516 25	10
Leather pressmen	11	295	1 72	507 40	10
Machine hands	62	287	1 73	496 51	10
Mechanists	19	248	2 05	508 40	9.7
Mechanics	20	225	1 50	337 50	9
Packers	12	285	1 85	527 25	10
Painters	3	300	1 50	450 00	9
Platers	18	292	1 94	566 48	10
Polishers	8	295	2 85	840 75	10
Pressmen	7	295	1 37	404 15	10
Repairer	1	306	1 35	413 10	10
Spring makers	9	295	1 37	463 15	10
Stock hands	7	286	1 61	460 46	10
Trimmers	2	300	1 50	450 00	9
Watchmen	2	295	1 75	516 25	12
Wheel department hands	5	291	1 15	334 65	10
Wood workers	16	295	1 65	486 75	10
Woodworkers and helpers	95	275	1 75	481 25	10

TABLE IVf — CITIES — Continued.

BILLIARD TABLES, BAR AND STORE FIXTURES — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Cabinet makers	12	300	\$2 00	\$600 00	10
Craters	2	305	75	228 75	10
Finishers	2	300	1 65	495 00	10
Fireman	1	300	1 75	225 00	10
Japanner	1	305	1 00	305 00	10
Machine hands	2	300	1 75	525 00	10
Mechanics	2	305	2 25	686 25	10
Nickel platers	3	305	1 50	457 50	10
Packers	2	305	1 25	381 25	10
Varnishers	2	305	1 50	457 50	10

BOILERS, ENGINES AND TANKS — 45 ESTABLISHMENTS.

Apprentices	76	293	\$0 78	\$228 54	10
Blacksmiths	101	296	2 23	660 08	10
Blacksmiths' helpers	20	285	1 64	467 40	10
Boilermakers	293	297	2 29	680 13	10
Boilermakers' helpers	153	286	1 57	449 02	9.4
Carpenters	31	302	2 03	628 16	10
Core makers	36	271	2 04	552 84	10
Core makers' apprentices	7	206	97	199 82	10
Crane men	5	262	1 50	393 00	10
Cupola tenders	5	262	2 00	524 00	10
Draughtsmen	36	279	2 46	686 34	9.5
Draughtsmen's apprentices	4	206	1 42	292 52	10
Engineers	18	290	1 96	568 40	10
Erectors	91	282	2 20	620 40	10
Erectors and testers	29	309	2 25	695 25	10
Firemen	3	266	1 58	420 28	9.7
Fitters-up	12	218	2 04	444 72	10
Flangers	3	310	2 00	620 00	10
Foremen	9	206	3 40	700 40	10
Foundry men	170	302	2 16	652 32	9.8
Helpers	197	300	1 48	444 00	10
Laborers	801	298	1 43	426 14	10
Laborers (boys)	8	300	65	195 00	10
Laborers and helpers	175	206	1 43	294 58	10
Machine hands	157	278	1 59	442 02	10
Machinists	876	278	2 35	653 30	10
Machinists' apprentices	18	310	80	248 00	10
Molders	283	292	2 47	721 24	10
Molders' apprentices	5	206	1 20	247 20	10
Molders' helpers	25	262	1 50	393 00	10
Painters	47	279	1 78	496 62	10
Pattern makers	58	302	2 55	770 10	10
Piano plate shop hands	134	301	2 16	650 16	10
Plumbers	2	90	2 25	202 50	10
Polishers	6	262	2 25	589 50	10
Rivet heaters	17	307	1 15	353 05	10
Sheet iron workers	1	90	2 00	180 00	8
Sheet steel workers	30	301	1 45	439 45	10
Steam fitters	4	301	1 50	451 50	10
Teamsters	2	310	2 10	651 00	10
Temperer	1	300	3 00	900 00	10
Tinners	27	293	— 98	580 14	10
Vise hands	5	300	1 77	531 00	10
Ware house hands	6	301	1 65	505 68	10
Watchmen	7	301	1 55	466 55	11.4
Woodworkers	72	280	1 94	543 20	10
Woodworkers' apprentices	5	206	1 22	251 22	10

BOOTS AND SHOES — 12 ESTABLISHMENTS.

Boot and shoe workers	124	312	\$1 33	\$414 96	10
Bottomers	744	278	1 43	897 54	10
Bottomers (boys)	16	285	80	228 00	8

TABLE IVf — CITIES — Continued.
BOOTS AND SHOES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Cutters	433	275	\$1 41	\$389 16	10
Cutters (boys)	17	285	1 25	346 25	10
Cutters (lining and trimming)	10	295	55	162 25	10
Engineers	2	285	2 00	570 00	10
Finishers	89	281	1 44	404 64	10
Finishers (boys)	7	285	65	185 25	8
Fitters	49	295	1 58	466 10	10
Foremen	8	250	2 50	625 00	10
Helper	1	144	58	83 52	10
Laborers	60	277	1 51	418 27	10
Laborers (boys)	32	285	46	131 10	10
Lasters	208	289	1 84	531 76	10
Machine hands	25	295	1 77	521 65	10
Machine operators	35	250	85	212 50	10
Machinists	9	292	2 40	700 80	10
Packers	52	289	1 08	312 12	10
Shoe makers	32	300	1 30	390 00	10
Stock room hands	124	282	1 02	287 64	10
Treers	18	251	1 54	386 54	10
Trimmer	1	144	1 50	216 00	10
Turn and welt room hands	96	284	1 16	329 44	10
Watchman	1	295	1 00	295 00	12

BOXES (PAPER) — 8 ESTABLISHMENTS.

Box makers	24	303	\$1 78	\$589 34	10
Cutters	5	300	1 60	480 00	10
Helper (boy)	1	305	85	259 25	10
Machine hands	2	300	1 20	360 00	10
Printers	4	312	1 50	468 00	10

BOXES (WOODEN) — 13 ESTABLISHMENTS.

Box makers	37	259	\$1 20	\$310 80	10
Crayon makers	10	225	1 50	337 50	10
Cut-offs	9	300	80	240 00	10
Embosser	1	280	2 00	560 00	10
Engineers	7	289	1 73	355 47	10
Fireman	1	300	1 10	330 00	11
Foremen	3	243	2 08	505 44	10
Laborers	106	283	90	254 70	10
Laborers (boys)	16	216	78	168 48	10
Loom men	6	300	1 25	375 00	10
Lumber handlers	8	300	1 10	330 00	10
Machine hands	11	302	1 57	474 14	8.5
Nailing machine hands	1	300	1 35	405 00	10
Nailers	15	221	1 43	316 03	9.7
Packers	2	300	1 35	405 00	10
Planers	3	300	1 20	360 00	10
Planing mill men	12	300	2 10	630 00	10.5
Printers	4	276	1 63	449 88	10
Saw filers	4	300	1 60	480 00	10
Sawyers	18	266	1 43	380 38	10
Slat cutter	1	300	1 60	480 00	10
Spool winder	1	300	60	180 00	10
Tailers	16	300	65	195 00	10
Teamsters	7	271	1 37	371 27	10
Watchmen	2	300	1 25	375 00	10
Yard hands	37	284	1 36	387 24	9

BREAD AND OTHER BAKERY PRODUCTS — 27 ESTABLISHMENTS.

Bakers	136	300	\$1 66	\$498 00	10
Bakers' apprentices	6	305	68	207 40	10
Bakers' assistants	7	306	79	241 74	10

TABLE IVf — CITIES — Continued.
BREAD AND OTHER BAKERY PRODUCTS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Coopers	4	312	\$1 67	\$521 04	10
Drivers	26	299	1 56	476 44	9.8
Engineers	3	307	2 11	647 77	11
Helpers	9	301	1 03	310 03	10
Hostler	1	306	1 00	306 00	9
Laborers	2	313	1 50	469 50	7.5
Laborer (boy)	1	306	50	153 00	10
Mixers	6	280	1 50	420 00	9
Packers	2	280	1 25	350 00	9
Peeler	1	306	2 17	664 02	10
Porters	2	280	1 25	540 00	9
Shipping clerks	3	309	1 67	516 03	10

BROOMS AND BRUSHES — 18 ESTABLISHMENTS.

Broom makers	62	287	\$1 98	\$568 26	9.8
Brush makers	33	299	1 97	589 03	10
Buncher	1	300	2 00	600 00	10
Foreman	1	300	2 50	750 00	10
Helpers (boys)	3	233	87	88 06	10
Laborers	33	286	1 08	308 88	10
Painters	3	250	1 25	312 50	10
Sewers	21	279	2 06	674 74	10
Sorters	57	288	71	203 06	10
Sorters and sizers	10	250	1 15	287 50	10
Watchman	1	250	1 25	312 50	11
Winders	2	115	1 40	161 00	10

CANNED GOODS — 7 ESTABLISHMENTS.

Canning department hands.....	804	190	\$1 29	\$245 10	10.8
Canning department hands (boys).....	150	295	55	162 25	10
Can makers	31	295	1 55	457 25	9
Carpenters	5	240	1 50	360 00	10
Cooks	10	240	2 00	480 00	10
Coopers	5	240	1 50	360 00	10
Dairy department hands.....	9	295	1 20	354 00	11
Engineers	3	230	1 83	620 90	11
Laborers	89	148	1 25	185 00	9.8
Machinists	3	240	1 50	360 00	10
Processor	1	209	1 75	365 75	10
Teamster	1	209	1 25	261 25	10
Venter	1	209	1 50	313 50	10

CARRIAGES AND WAGONS — 85 ESTABLISHMENTS.

Apprentices	9	305	\$0 93	\$283 65	9.8
Blacksmiths	316	271	1 89	512 19	9.8
Blacksmiths' helpers	52	295	1 56	460 20	10
Belt sanders	3	291	1 33	387 03	10
Bench hands	24	291	1 33	387 03	10
Body makers	3	305	2 50	762 50	10
Core makers	2	291	1 50	436 50	10
Craters	49	298	1 65	491 70	9.8
Cupola tenders	1	291	1 50	436 50	10
Drop men	3	291	1 33	387 03	10
Emery grinders	8	291	1 25	363 75	10
Engineers	11	291	1 72	500 52	10
Finishers	15	230	1 50	345 00	10
Firemen	6	303	1 40	424 20	10.7
Fitters	3	300	1 25	375 00	10
Foremen	19	292	2 79	814 68	10
Foundrymen	7	306	1 75	535 50	9
Gear makers	3	350	1 25	437 50	10
Hammermen	3	291	1 33	387 03	10

TABLE IVf — CITIES — Continued.
CARRIAGES AND WAGONS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Heaters	5	291	\$0 83	\$241 53	10
Helpers	18	302	1 13	341 26	10
Laborers	240	299	1 21	361 79	10
Machine hands	74	300	1 50	450 00	10
Machinists	22	273	1 85	505 05	9
Mill man	1	300	1 50	450 00	10
Molders	6	291	1 75	509 25	10
Packers	7	250	1 54	385 00	9.7
Painters	384	278	1 77	492 06	9.6
Painters' helpers	14	300	1 32	396 00	10
Patternmakers	2	291	2 25	654 75	10
Punch and shearmen	9	291	1 66	488 96	10
Rubbers	2	275	1 50	412 50	10
Shipping department hands	21	291	1 42	412 22	10
Stock keeper	1	308	1 00	308 00	10
Tank makers	5	300	2 10	630 00	10
Tankmakers' helpers	4	300	1 00	300 00	10
Teamsters and helpers	18	294	1 30	382 20	9.8
Trimmers	196	281	2 02	567 62	9.8
Trimmers' helpers	7	308	1 34	412 72	10
Vise and bench hands	39	291	1 50	436 50	10
Wagon makers	4	301	1 87	562 87	10
Watchmen	4	253	1 25	316 25	10
Warehouse men	8	306	1 75	535 50	9
Wheel, gear and bodymakers	50	310	2 50	775 00	10
Wood workers	264	307	1 88	577 16	9.5
Woodworkers' helpers	3	307	1 42	435 94	10
Yard hands	6	305	1 71	521 55	9.2

CARRIAGE AND WAGON MATERIALS — 26 ESTABLISHMENTS.

Assorters	10	311	\$1 75	\$544 25	10
Axle makers	190	264	1 85	488 40	10
Belters	18	311	1 50	466 50	10
Bench hands	16	305	2 40	732 00	10
Benders	19	308	1 49	458 92	10
Blacksmiths	22	308	2 20	666 60	10
Brass workers	5	277	1 50	415 50	10
Carpenters	2	311	1 67	519 37	10
Craters	2	305	1 50	457 00	10
Engineers	13	309	2 08	642 72	10
Finishers	12	248	1 63	404 24	9.2
Firemen	4	303	1 46	442 38	10
Foremen	2	303	2 55	772 65	10
Helpers	28	303	1 63	498 89	10
Laborers	245	294	1 28	370 44	10
Machine hands	194	274	1 60	438 40	10
Machinists	9	303	2 17	657 51	10
Mill men	35	285	1 75	498 75	10
Mortiser	1	315	1 50	472 50	10
Packers	4	304	1 70	516 80	10
Polishers	20	234	1 30	304 20	9
Pole and shaft makers	74	291	1 78	516 98	10
Rounders	8	311	1 75	523 08	10
Runners	9	238	1 65	292 70	9
Sander	1	305	2 00	610 00	10
Sawyers	11	288	1 64	464 12	10
Shipping clerk	1	315	1 25	393 75	10
Spoke drivers	6	238	1 80	428 40	9
Spoke makers	14	250	1 50	325 00	10
Steel wire workers	10	300	1 50	450 00	10
Teamster	1	311	1 50	466 50	10
Timber inspector	1	305	1 75	533 75	10
Trimmer	1	300	1 50	450 00	10
Turners	10	284	2 01	570 84	9.5
Wagon makers	10	303	2 25	682 75	10

TABLE IVf — CITIES — Continued.
CARRIAGE AND WAGON MATERIALS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Watchmen	4	293	\$1 44	\$421 92	11
Wheelmakers	100	260	1 25	325 00	10
Wheelwright	1	300	1 90	570 00	10
Woodworker	41	280	1 50	420 00	10
Yardmen	60	248	1 30	322 40	9.2

CARS AND FURNISHINGS — 3 ESTABLISHMENTS.

Air brake adjuster	3	265	\$2 75	\$728 75	10
Blacksmiths	27	302	2 44	736 88	10
Blacksmith's helpers	6	289	1 50	433 50	10
Cabinet makers	19	306	2 50	765 00	10
Car builders	19	306	2 50	765 00	10
Carpenters	9	310	1 66	204 60	9.7
Car repairers	70	265	2 50	662 50	10
Drillers	6	306	1 50	459 00	10
Electricians	5	306	2 00	612 00	10
Glaziers	2	306	2 50	765 00	10
Laborers	62	300	1 46	433 00	10
Machinists	45	292	2 37	692 04	10
Painters	35	299	2 45	732 55	10
Pipe fitters	5	306	3 00	918 00	10
Teamsters	2	306	3 00	918 00	10
Tinsmiths	2	306	2 50	765 00	10
Truckmen	10	281	2 22	623 82	9.7

CHEWING GUM — 2 ESTABLISHMENTS.

Driver	1	75	\$1 00	\$75 00	10
Engineers	1	271	1 75	474 25	10
Gum mixer	1	271	2 50	677 50	10
Packer	1	271	1 50	406 50	10
Watchman	1	271	1 25	338 75	10

CIGARS — 131 ESTABLISHMENTS.

Apprentices	7	297	\$0 60	\$178 20	8
Bunch breakers	11	281	1 07	300 67	9.4
Bunch maker	1	294	1 38	405 72	8
Casers	3	280	1 53	428 40	10
Cigar makers	377	290	1 83	530 70	8.5
Cigar makers and strippers	7	303	1 98	599 94	8
Engineer	1	245	3 00	735 00	10
Foremen	3	277	2 05	567 85	9.3
Helpers	6	245	1 25	286 25	9
Laborers	14	286	97	277 42	10
Laborers (boys)	1	305	60	183 00	10
Packers	13	266	1 50	399 00	9.7
Rollers	127	298	1 26	375 48	9.5
Shipper	1	269	1 33	357 77	10
Stemmers	4	290	2 40	696 00	8
Stogie makers	9	225	1 62	364 50	8.3
Strippers	53	299	68	203 32	9

CLOTHING — 18 ESTABLISHMENTS.

Coat makers	11	281	\$2 28	\$640 68	10
Cutters	43	300	1 74	522 00	9.8
Engineers	3	291	1 85	538 35	10
Head cutters	3	300	2 33	699 00	10
Helpers	23	296	1 41	417 36	10
Machinists	3	300	2 17	651 00	10
Overall maker	1	300	1 00	300 00	9
Packers	2	306	1 50	459 00	9

TABLE IVf — CITIES — Continued.

CLOTHING — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Pant maker	1	275	\$1 50	\$412 50	10
Pressers	8	266	1 10	292 60	10
Shippers	5	275	1 00	275 00	9.5
Shirt maker	1	264	2 50	662 00	10
Skirt makers	2	300	2 00	600 00	9
Suspender maker	1	300	1 50	450 00	9
Tailors	5	305	2 20	671 00	9
Trimmers	2	275	2 10	577 50	10
Watchmen	6	300	1 25	375 00	10

CLOTHES WRINGERS AND WASHBOARDS — 3 ESTABLISHMENTS.

Assemblers	2	308	\$1 50	\$462 00	9.5
Bench hands	2	250	1 40	350 00	10
Drillers	2	308	1 25	385 00	9.5
Galvalnizer	1	250	1 67	817 50	10
Machine hands	2	250	1 00	250 00	9
Machinists	2	308	2 00	616 00	9.5
Mechanics	3	222	1 03	339 66	10
Packer	1	250	2 00	500 00	10

COFFEE, BAKING POWDER AND SPICES — 3 ESTABLISHMENTS.

Coffee rmaster and foreman	1	208	\$1 50	\$312 00	8
Labellers, box makers and packers	4	300	2 00	600 00	10
Laborer	1	268	1 00	268 00	10

COFFINS AND BURIAL CASES — 5 ESTABLISHMENTS.

Bench hands	4	310	\$2 00	\$620 00	10
Box makers	2	311	1 87	581 57	10
Casket coverer	1	313	80	250 40	9
Casket makers	5	313	1 75	547 75	10
Casket rubber	1	313	1 50	469 50	9
Cloth trimmers	15	310	2 35	728 50	10
Engineers	2	310	2 08	644 80	10
Fireman	1	313	1 50	469 50	10
Grainers and painters	5	313	1 75	547 75	9
Helpers	5	308	1 40	431 20	10
Laborers	12	310	1 44	446 40	10
Machine hands	10	312	1 80	561 60	10
Machinists	12	308	2 13	656 04	10
Metal workers	29	310	2 19	678 90	10
Molders	14	310	2 25	697 50	10
Painters	11	310	2 00	620 00	10
Platers	9	310	2 25	697 50	10
Polishers	13	310	2 25	697 50	10
Reel builder	1	310	2 00	620 00	10
Tank builder	1	310	1 75	542 50	10
Teamsters	2	311	1 50	466 50	10
Trimmers	3	300	1 25	375 00	10
Varnishers	3	310	1 75	542 50	.....
Watchman	1	313	1 50	469 50	12
Woodworkers	26	309	1 38	426 42	10
Wrappers	5	310	1 75	542 50	10
Yard hands	2	313	1 25	391 25	10

CONFECTIONERY — 14 ESTABLISHMENTS.

Candymakers	28	295	\$1 73	\$510 35	9.5
Clerks	2	365	1 00	365 00	10
Drivers	2	304	1 27	386 08	10
Fireman	1	308	2 50	770 00	10
Foreman	1	308	3 00	924 00	10

TABLE IVf—CITIES—Continued.
CONFECTIONERY—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Helpers	17	275	\$0 88	\$242 00	10
Laborers	2	240	1 00	240 00	10
Shippers	3	308	1 41	434 28	10
Shippers' helper	1	310	1 25	387 50	10
Stockkeeper	1	299	1 25	373 75	10

COOPERAGE—23 ESTABLISHMENTS.

Belters	4	313	\$1 60	\$500 80	10
Blacksmith	1	298	2 00	596 00	10
Box fillers	4	231	1 25	288 75	10
Box makers	7	300	1 82	546 00	9
Coopers	257	285	1 74	495 00	9.5
Coilers	2	231	2 00	462 00	10
Cullers	3	231	1 08	240 48	10
Engineers	4	302	1 94	585 88	10
Firemen	4	231	1 25	288 75	10
Foremen	8	286	2 84	669 24	10
Headers	9	230	1 15	264 50	10
Helpers	50	299	98	293 02	10
Hoop cutter	1	231	1 75	404 25	10
Hoop and cull carriers	6	231	1 00	231 00	10
Hoop piler	1	231	1 25	288 75	10
Inspectors	2	298	2 25	670 50	10
Laborers	152	278	1 81	364 18	10
Laborers (boys)	4	231	50	115 50	10
Lapper	1	231	2 00	462 00	10
Machine hands	6	300	2 00	600 00	10
Machinist	1	298	2 50	745 00	10
Mill men	7	231	1 25	288 75	10
Mop wringer maker	1	260	1 50	390 00	10
Planers	2	231	1 00	231 00	10
Sawyers	15	279	1 88	522 52	9.5
Shippers	3	308	1 82	560 56	10
Stave jointers	2	231	1 50	346 50	10
Tank maker	1	230	1 50	345 00	10
Teamsters	9	295	1 81	533 95	9.2
Teamsters and laborers	3	300	1 45	435 00	10
Timber buyer	1	231	2 50	577 50	10
Tinners	4	200	2 50	500 00	10
Turners	6	275	1 83	503 25	10
Wood workers	47	297	1 67	496 19	10
Yardmen	4	231	1 25	288 75	10

COPPER AND BRASS GOODS—11 ESTABLISHMENTS.

Apprentices	4	295	\$1 00	\$295 00	10
Blacksmith	1	300	2 25	675 00	10
Brass finishers	80	297	1 95	676 15	10
Brass moulders	5	295	2 50	637 50	10
Chippers	2	300	2 00	600 00	10
Coppersmiths	6	305	2 57	783 85	10
Core makers	5	291	1 40	407 40	9.8
Foremen	2	308	2 75	847 00	10
Helpers	2	308	1 30	402 80	10
Laborers	11	293	1 43	418 99	9.7
Machinists	67	300	1 95	585 00	10
Melters	2	300	3 00	900 00	8
Planers	4	308	2 25	693 00	10
Platers	15	300	1 50	450 00	10
Shippers and packers	15	300	1 35	405 00	10
Teamster	1	300	2 00	600 00	10
Watchmen	2	300	1 50	450 00	10

TABLE IVf — CITIES — Continued.
CORDAGE AND TWINE — 3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	2	298	\$0 75	\$223 50	10
Balling department hands	5	57	1 77	100 89	10
Balling and packing department hands	25	464	1 20	556 80	10
Carpenters	4	464	2 00	928 00	10
Engineers	6	409	2 61	1,067 49	10
Foremen	4	464	1 35	626 40	10
Foremen	12	464	2 00	928 00	10
Laborers (skilled)	4	298	2 50	745 00	10
Laborers	77	320	1 23	393 60	10
Machinists	20	364	2 44	888 16	10
Miscellaneous workers	9	57	2 30	131 10	10
Preparing department hands	240	393	1 16	455 88	10
Rope makers	37	464	1 20	556 80	10
Spinners	30	450	1 27	571 50	10
Watchmen	4	464	1 28	593 92	12.5

COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 11 ESTABLISHMENTS.

Assistant carder	1	300	\$1 67	\$501 00	10
Beamers	2	305	1 65	503 25	10
Bobbin winder	1	155	50	77 50	10
Boss carder	1	300	3 50	1,150 00	10
Boss finisher	1	300	2 16	648 00	10
Burr picker	1	300	67	201 00	10
Card boys	2	155	50	77 50	10
Carders	10	238	1 33	316 54	10
Card room helpers	13	303	1 85	560 55	10
Dyers	4	301	2 00	602 00	10
Dye house helper	1	300	1 35	405 00	10
Engineers	8	293	1 93	565 49	10
Finishers	29	285	1 55	441 75	10
Firemen	2	230	1 37	315 10	10
Foremen	5	305	2 84	866 20	10
Knitters	8	187	1 90	355 30	10
Laborers	8	305	1 37	417 85	10
Laborers (boys)	3	275	77	211 75	10
Loom boss	1	300	2 67	801 00	10
Loom fixers	4	304	2 00	608 00	10
Millwright	1	300	2 00	600 00	10
Nappers	2	308	1 50	462 00	10
Picker boys	2	300	71	213 00	10
Pickers and carders	3	300	1 60	480 00	10
Piecers	4	300	79	237 00	10
Porter	1	300	1 25	375 00	10
Shippers	2	304	1 75	532 00	10
Spinners	19	302	96	279 92	10
Warper and spooler	1	300	2 00	600 00	10
Wash room hand	1	155	50	77 50	10
Watchmen	3	302	1 47	443 94	11
Weavers	9	293	1 48	433 64	10
Wool sorters	8	302	1 77	534 54	10

CUTLERY AND EDGE TOOLS — 6 ESTABLISHMENTS.

Assemblers	64	291	\$1 72	\$500 52	10
Awl makers	2	254	2 00	508 00	10
Buffers	17	288	1 99	573 12	10
Cutlers	202	293	1 56	457 08	10
Die maker	1	300	1 25	375 00	10
Engineer	1	290	2 50	725 00	10
Finishers	4	254	1 65	419 10	10
Fitters	35	290	2 50	725 00	10
Forgers	14	291	1 98	576 18	10
Grinders	43	291	2 97	864 27	10
Hardeners	19	303	1 28	387 84	10
Laborers	88	287	1 50	430 50	10

TABLE IVf—CITIES—Continued.
CUTLERY AND EDGE TOOLS—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Machinists	15	291	\$1 93	\$561 63	10
Packers	20	290	1 50	435 00	10
Photographer	1	303	2 25	681 75	10
Plater	1	254	2 00	508 00	10
Polishers	130	289	1 96	566 44	10
Printer	1	303	2 00	606 00	10
Wheel dresser	1	254	1 75	444 50	10

DAIRY PRODUCTS—2 ESTABLISHMENTS.

Butter maker	1	240	\$1 41	\$338 40	8
Butter and cheese makers.....	15	310	1 75	542 50	10
Milk drivers	5	240	1 50	360 00	9

DAIRY PRODUCTS—2 ESTABLISHMENTS.

Assemblers	2	306	\$1 25	\$382 50	10
Carpenter	1	300	2 50	750 00	10
Firemen	2	300	2 00	600 00	10
Folder	1	305	50	152 50	9
Grinders	3	300	1 75	525 00	10
Laborers	37	305	1 27	387 35	9.8
Laboratory hands	3	312	1 50	468 00	8
Mixer	1	305	1 50	457 50	9
Molders	2	300	2 50	750 00	10
Press feeders	3	308	1 33	409 64	9.5
Printer	1	310	1 00	310 00	10
Shippers	2	313	1 75	547 75	9
Stillmen	2	300	2 50	750 00	10

ELECTRICAL GOODS AND SUPPLIES—19 ESTABLISHMENTS.

Apprentices	9	297	\$1 33	\$368 41	10
Armature winders	9	303	2 05	621 15	10
Armature winders' helpers	2	326	1 95	635 70	10
Assemblers	12	300	2 25	675 00	10
Assorters	7	299	1 25	373 75	10
Blowers	2	205	1 15	235 75	10
Box maker	1	230	1 25	287 50	10
Brush cutters	2	310	1 50	465 00	10
Burner builder	1	300	2 00	600 00	10
Cappers and solderers	5	205	1 25	256 25	10
Carpenters	2	230	1 35	310 50	10
Chemists	5	205	1 25	256 25	10
Chimney department hands.....	3	300	1 50	450 00	10
Clay workers	54	300	1 50	450 00	10
Drill press hands.....	10	300	1 75	525 00	10
Electricians	8	308	2 00	616 00	10
Electrical warpers	12	295	2 00	590 00	10
Electrical workers	15	265	1 65	437 25	10
Engineers	6	307	1 90	583 30	10
Furnace builders	3	310	1 35	418 50	10
Furnace room hands	8	250	1 50	345 00	10
Glass cutters	3	205	1 00	205 00	10
Helpers	10	295	1 50	442 50	10
Inspector	1	205	1 50	307 50	10
Insulating department hand.....	1	300	1 50	450 00	10
Kiln men	6	300	1 55	465 00	10
Laborers	266	295	1 43	421 85	10
Lamp department hands	25	300	1 75	525 00	9
Lathe department hands	10	300	2 00	600 00	10
Machine hands	6	300	1 80	540 00	10
Machinists	69	302	1 97	594 94	10
Mason	1	310	3 50	1,085 00	10
Mechanics	43	303	1 86	563 58	10

TABLE IVf — CITIES — Continued.
ELECTRICAL GOODS AND SUPPLIES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Mica cutters	2	300	\$2 00	\$600 00	10
Mica grinders	2	300	2 00	600 00	10
Mica stampers	5	300	1 50	450 00	10
Miller	1	310	2 00	620 00	10
Miller and helpers	5	230	1 50	345 00	10
Millwright	1	310	2 25	697 50	10
Mixers	2	310	1 50	465 00	10
Molders	48	260	1 98	514 80	10
Packers	6	217	1 33	286 61	10
Pattern makers	1	326	3 00	978 00	10
Platers	12	270	1 27	342 90	10
Scrapers	9	239	1 29	308 31	10
Sealer	1	205	1 75	358 75	10
Seggar men	2	300	1 65	495 00	10
Shippers	3	300	75	225 00	10
Transformer department hands	21	300	1 75	525 00	9
Truckmen	2	310	1 35	418 50	10
Tubelators	4	205	1 75	358 75	10
Tube and insulate makers	4	300	1 75	525 00	10
Warehouse men	2	300	1 50	450 00	10
Watchmen	2	278	1 40	389 20	11
Wheel boy	1	310	1 00	310 00	10
Winders	5	302	1 68	507 36	10
Wrappers	4	310	85	263 50	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY — 5 ESTABLISHMENTS.

Chemists	4	309	1 62	500 58	10
Engineers	2	303	2 00	606 00	10
Finishers	30	300	2 00	600 00	10
Foreman	1	306	2 00	612 00	10
Glass workers	30	300	2 50	750 00	10
Laborers	19	302	1 48	446 96	9.8
Packers	2	350	1 75	614 50	10
Watchman	1	306	1 50	459 00	10
Woodworkers	20	300	2 00	600 00	10

FERTILIZERS — 7 ESTABLISHMENTS.

Acid men	6	360	\$1 75	630 00	11
Engineer	1	360	2 50	900 00	10
Laborers	83	338	1 53	517 14	10
Millwrights	2	360	2 00	720 00	10
Watchman	1	360	1 50	540 00	11

FIRE EXTINGUISHERS — 2 ESTABLISHMENTS.

Blacksmith	1	300	\$3 15	\$945 00	10
Brass molders'	2	300	2 50	750 00	10
Carpenter	1	300	1 50	450 00	10
Draughtsmen	4	300	4 79	1,437 00	10
Foremen	24	300	4 00	1,200 00	10
Helpers	4	300	1 75	525 00	10
Laborers	40	299	1 58	472 42	10
Machine hands	32	300	1 60	480 00	10
Machinists	15	292	2 54	741 68	10
Painter	1	300	1 50	450 00	10
Pattern makers	2	300	2 65	795 00	10
Pipe fitters	96	300	3 00	900 00	10
Pipe fitters' helpers	40	300	1 75	525 00	10
Receivers	2	300	1 75	525 00	10
Shippers	2	300	1 75	525 00	10
Watchman	1	300	1 65	495 00	10

TABLE IVf — CITIES — Continued.
FLOURING MILL PRODUCTS — 72 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentice	1	279	\$0 85	\$237 15	10
Car loaders	3	300	1 67	501 00	10
Clerk	1	300	1 25	375 00	10
Coopers	27	293	1 57	460 01	10
Delivery boy	1	250	75	187 50	10
Elevator men	9	270	1 74	469 80	10.2
Engineers	55	266	1 77	470 82	10
Engineers and firemen.....	21	290	2 00	580 00	12
Exchange men	3	288	1 33	383 04	10
Feed man	1	279	1 67	465 93	10
Feed mans' helper	1	279	1 50	418 50	10
Fireman	1	270	1 67	450 90	11
Floor man	1	300	1 50	450 00	10
Head millers	8	272	2 71	737 12	10
Helpers	73	240	1 64	393 60	10
Laborers	61	280	1 44	403 20	10
Millers	129	269	1 98	532 62	10
Mill hands	681	288	1 76	506 88	10
Millwrights	7	246	3 04	747 84	10
Millwrights, engineers and machinists.....	10	225	\$2 50	\$562 50	10
Oiler	1	300	1 25	356 25	10
Packers	68	264	1 62	427 68	10
Shippers	15	265	1 50	397 50	10
Sweepers	4	300	1 48	444 00	10
Teamsters	56	283	1 38	517 89	10
Watchman	1	279	1 50	418 50	13
Weighmaster	1	300	1 50	450 00	10

FOUNDRY AND MACHINE SHOP PRODUCTS — 71 ESTABLISHMENTS.

Apprentices	29	298	\$0 95	\$283 10	9.5
Blacksmiths	53	297	2 25	668 25	10
Blacksmiths' helpers	10	280	1 47	424 83	9.7
Boiler makers	30	294	2 21	649 74	9.3
Carpenters	23	292	2 26	659 92	9.8
Carpenters and pattern makers.....	10	247	2 75	679 25	10
Chippers	37	301	1 58	475 58	10
Chippers and cleaners	50	265	1 52	402 80	10
Cleaners and laborers	25	305	1 35	411 75	10
Core boy	1	306	1 12	342 72	10
Core makers	186	294	1 86	546 84	9.5
Crane operators	12	284	2 01	570 84	9.3
Cupola tenders	34	266	1 60	425 60	9.8
Die sinkers	8	308	3 19	982 52	10
Draughtsmen	2	275	3 07	844 25	9.5
Electrician	1	247	3 00	741 00	10
Engineers	28	291	2 01	584 91	10
Fireman	9	292	1 70	496 40	9.8
Foreman	17	257	3 43	881 51	10
Foundry hands	15	233	1 60	372 80	10
Furnace and roll hands.....	75	285	2 10	598 50	10
Grinders	5	303	1 35	409 05	10
Grinders and buffers.....	5	307	1 35	414 45	10
Hammermen	25	308	2 46	757 68	10
Helpers	238	302	1 46	440 92	10
Ironers	8	300	2 25	675 00	10
Japanners	2	307	1 50	460 50	10
Laborers	1,333	293	1 55	454 15	9.8
Machine hands	114	266	1 80	478 80	10
Machinists	385	298	1 87	557 26	10
Machinists' helpers	7	306	1 31	400 86	9
Mason	1	285	4 25	1,211 25	10
Melter	1	300	6 00	1,800 00	12
Melter's helpers	4	300	1 95	585 00	10
Melters and helpers.....	26	310	1 97	610 70	10
Mill hands	8	306	1 50	450 00	10

TABLE IVf—CITIES—Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Moulders	1,054	300	\$ 238	\$714 00	9.7
Moulders' helpers	34	303	1 25	378 75	9.4
Moulding machine operators.....	8	233	3 55	827 15	10
Mounters	3	300	2 00	600 00	10
Nickel plater	1	303	1 50	454 50	10
Packers	6	306	1 50	459 00	10
Painters	2	288	1 87	538 56	10
Pattern makers	56	301	2 46	740 46	9.7
Pipe cutters and testers.....	95	285	1 85	527 25	10
Pipe loaders	12	247	1 50	370 50	10
Pit bosses	4	247	2 25	555 75	8
Pit men	90	247	1 75	432 25	8
Platers	9	306	2 40	734 40	10
Plumber	1	233	2 00	466 00	10
Polishers	10	303	1 43	448 44	10
Rammers	20	247	1 75	432 25	8
Rope makers	8	247	3 00	741 00	8
Sand cutters	3	247	2 00	494 00	6
Sand screeners	12	247	1 50	370 50	8
Screw makers	50	310	1 70	527 00	10
Sheet metal workers.....	8	306	1 75	535 50	10
Snippers	2	307	90	276 30	10
Socket makers	60	279	1 92	535 68	9.8
Stove mounters	10	306	2 75	841 50	10
Teamsters	11	257	1 56	400 92	10
Temperer	1	300	3 00	900 00	10
Testers	4	295	1 75	516 25	9
Tool maker	1	295	2 25	663 75	9
Trimmers	11	309	1 73	534 57	10
Watchmen	7	272	1 51	410 72	10.3
Welders	5	288	4 95	1,425 60	10
Wood workers	3	300	1 75	525 00	10

FURNITURE—34 ESTABLISHMENTS.

Bench hands	20	285	\$1 67	\$475 95	10
Benders	10	260	1 25	325 00	9.5
Blacksmith	1	360	2 25	810 00	10
Cabinet makers	252	289	1 72	497 08	10
Cabinet makers and apprentices.....	9	270	1 40	378 00	10
Caners	8	265	50	122 50	9
Carvers	20	289	1 96	566 44	10
Carvers and helpers.....	3	270	1 22	329 40	10
Chair makers	42	261	1 55	404 55	9.6
Dippers	2	265	1 00	265 00	9.5
Engineers	12	288	1 91	550 08	10
Fillers	5	286	1 00	286 00	9.8
Finishers	233	279	1 43	398 97	10
Finishers and apprentices.....	8	270	1 47	396 90	10
Firemen	6	259	1 63	422 17	10
Glue room hands	4	298	1 55	461 90	10
Foremen	2	309	2 75	849 75	10
Glue room hands	10	257	1 25	321 25	10
Grinders	2	290	2 00	580 00	10
Helpers	31	261	83	216 63	10
Laborers	134	284	1 36	386 24	10
Machine boys	3	280	50	140 00	10
Machine carvers	9	247	87	214 89	10
Machine hands	379	280	1 56	436 80	10
Machinists	72	308	1 94	597 52	10
Machine and yard men.....	90	285	1 25	356 25	10
Nickel plater	1	290	2 00	580 00	10
Packers	68	266	1 39	369 74	10
Painters	12	348	2 29	796 92	10
Polishers	9	317	1 72	545 24	9.7
Rubbers	3	300	1 25	375 00	10
Sand paperers	4	291	59	171 69	10

TABLE IVf—CITIES—Continued.

FURNITURE—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Setter-up	1	265	\$1 90	\$503 50	9.5
Shippers	20	267	1 50	400 50	10
Spring makers	4	308	1 50	462 00	10
Teamsters	11	271	1 27	344 17	9.7
Trimmer	1	279	2 00	558 00	10
Turners	17	264	1 56	411 84	9.6
Upholsterers	32	287	1 89	542 43	9.4
Varnishers	6	283	1 50	424 50	9.3
Veneerers	7	268	1 75	469 00	9.7
Watchmen	10	281	1 55	435 55	10
Wood workers	24	325	2 06	669 50	10
Wood turners	2	280	1 17	327 60	10
Yardmen	23	280	1 25	350 00	10

GLASS WORKERS' SUPPLIES—3 ESTABLISHMENTS.

Apprentice	1	306	\$1 00	\$306 00	10
Block makers	8	313	1 65	516 45	10
Carpenter	1	313	2 50	782 50	10
Clay trampers	6	313	1 65	516 45	10
Engineer	1	313	2 00	626 00	10
Laborers	50	313	1 50	469 50	10
Machinist	1	313	2 50	782 50	10
Mechanics	8	306	2 50	765 00	10
Mould makers	3	306	4 00	1,224 00	10
Pot makers	6	313	3 33	1,042 29	8
Pot makers' helpers.....	2	313	1 65	516 45	8

GLOVES AND MITTENS—3 ESTABLISHMENTS.

Cutters	34	272	\$1 23	\$334 56	10
Formers	10	275	1 00	275 00	10
Laborers	17	273	61	166 53	10

GUNPOWDER AND OTHER EXPLOSIVES—7 ESTABLISHMENTS.

Carpenters	4	280	\$2 00	\$560 00	10
Chief engineer	1	280	3 50	980 00	10
Engineer	1	280	2 00	560 00	12
Farm hands	3	280	1 40	392 00	12
Farm overseer	1	280	2 50	700 00	12
Firemen	3	280	2 00	560 00	12
Foreman	1	225	2 75	618 75	10
Helpers	2	256	2 00	512 00	9
Keg makers	10	280	1 60	448 00	10
Laborers	44	235	1 34	314 90	10
Machinist	1	280	2 25	630 00	10
Nitro glycerine makers.....	3	254	3 37	852 98	8
Nitro glycerine makers' assistants.....	2	225	2 00	450 00	8
Powder makers	44	280	2 00	560 00	9.5
Repairer	1	280	2 50	700 00	10
Shooters	48	253	3 80	961 40	9
Stock haulers	3	200	1 50	300 00	10
Teamsters	10	253	1 82	469 56	8.6
Tinners	7	295	2 25	663 75	10

HARDWARE—9 ESTABLISHMENTS.

Annealers	17	299	\$1 78	\$532 22	10
Blacksmiths	19	299	1 80	538 20	10
Carpenter	1	299	2 00	598 00	10
Engineers	2	292	2 65	773 80	10.5
Fireman	1	299	1 85	553 15	10
Fitters	66	299	1 39	415 61	10

TABLE IVf—CITIES—Continued.

HARDWARE—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Foremen	3	300	\$2 18	\$654 00	10
Hook makers	7	300	2 50	750 00	10
Japanners	9	299	1 05	313 95	10
Laborers	239	298	1 29	384 42	10
Laborers (boys)	5	286	90	257 40	9
Lathe turners	12	300	1 30	390 00	10
Machinists	11	299	2 73	816 27	10
Mechanics	4	299	2 08	621 92	10
Moulders	71	299	2 29	684 71	9.4
Operators	21	286	1 50	429 00	10
Packers	10	299	1 00	299 00	10
Pattern makers	6	299	2 15	664 85	10
Polishers	57	299	1 55	463 45	10
Reel makers	10	300	2 00	600 00	10
Sawyers	3	300	1 40	420 00	10
Shipper	1	300	2 00	600 00	10
Tin platers	2	300	1 75	525 00	10
Watchmen	2	292	1 87	545 74	11

HARNESS AND SADDLERY—14 ESTABLISHMENTS.

Blacksmiths	2	313	\$1 50	\$469 50	10
Halter and web makers	25	300	1 40	420 00	10
Harness makers	59	299	1 75	523 25	10
Hostlers	6	313	1 25	391 25	12
Saddle makers	6	307	1 45	445 15	10

ICE (ARTIFICIAL)—18 ESTABLISHMENTS.

Drivers	89	220	\$1 67	\$367 40	10
Engineers	28	225	2 36	531 00	11.4
Firemen	12	243	1 82	451 36	12
Helpers	2	210	1 25	262 50	10
Ice pullers	8	244	1 63	397 72	11.5
Laborers	40	264	1 42	374 88	10.3
Machinists	8	194	1 75	339 50	11
Tankmen	8	216	1 96	423 36	9.8

IRON (STRUCTURAL AND ARCHITECTURAL)—16 ESTABLISHMENTS.

Blacksmiths	34	297	\$2 23	\$662 31	9.5
Blacksmiths' helpers	28	292	1 61	470 12	9.6
Boiler makers	20	306	2 50	765 00	9
Boiler makers' heaters	10	308	1 25	382 50	9
Boiler makers' helpers	85	306	1 75	535 50	9
Bridge builders	244	305	1 78	542 90	9
Carpenters	4	290	2 25	652 50	10
Clippers	2	304	1 70	516 80	9
Cutters and foremen	12	290	1 75	507 50	10
Draughtsmen	18	302	2 78	839 56	9.7
Engineers	5	291	2 59	153 69	10
Erectors	90	274	2 45	671 30	10
Fence builders	5	286	1 70	486 20	10
Firemen	2	304	2 25	684 00	9
Fitters	19	275	2 00	550 00	10
Foremen	17	275	3 41	937 75	10
Helpers	12	290	1 40	406 00	10
Iron workers	190	305	1 58	481 90	10
Iron and wire workers	4	275	1 27	349 25	10
Laborers	200	239	1 44	416 16	10
Layers-off	4	275	2 35	646 25	10
Layers-out	13	304	1 75	532 00	9
Machinists	76	295	2 16	637 20	10
Machinists' helpers	26	308	1 50	462 00	10
Mechanic	1	300	1 50	450 00	10

TABLE IVf — CITIES — Continued.
IRON (STRUCTURAL AND ARCHITECTURAL — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Molders	13	290	\$1 75	\$507 50	10
Painters	11	295	1 66	489 70	9.5
Painters and loaders.....	15	308	1 50	462 00	10
Patchers	6	290	80	232 00	10
Pattern maker	1	286	2 90	829 40	10
Pressmen	18	290	1 60	464 00	10
Punchers	6	275	2 05	563 75	10
Riveters	32	300	1 49	447 00	9
Riveters' helpers	16	275	1 50	412 50	10
Rotary planers	6	304	1 80	547 20	9
Shearmen	20	304	1 55	471 20	9
Shiners	10	304	1 50	456 00	9
Solderers	24	290	2 35	681 50	10
Spinners	2	290	1 90	551 00	10
Structural workers	4	300	1 75	525 00	10
Template makers	8	297	2 64	784 08	9.2
Vase makers	2	102	1 50	153 00	10
Watchmen	6	302	1 67	504 34	9.5

JEWELRY — 3 ESTABLISHMENTS.

Engineer	1	285	\$2 00	\$570 00	13
Engine turning department.....	2	285	1 50	427 50	10
Engravers	7	285	1 59	453 15	10
Finishers	5	285	1 45	413 25	10
Inspectors	3	285	1 41	401 85	10
Jointers	6	285	1 61	458 85	10
Machinists	4	285	2 75	783 75	10
Plater	1	285	2 50	712 50	10
Polishers	12	285	1 89	538 65	10
Press room hands.....	6	285	1 66	473 10	10
Spring department hands.....	3	285	1 00	285 00	10
Turning department hands.....	3	285	2 00	570 00	10
Watch case makers	401	290	2 33	675 70	10
Watch makers	310	290	2 50	725 00	10
Watchman	1	285	1 58	420 30	13

LEATHER AND LEATHER GOODS — 13 ESTABLISHMENTS.

Apprentice	1	327	\$1 55	\$528 85	10
Assistant shipper	1	327	1 40	457 80	10
Beamsters	4	310	1 83	567 30	10
Beam and yard hands.....	10	310	1 85	418 50	10
Belt makers	15	327	2 09	683 43	10
Belt riveters	2	327	1 85	441 45	10
Belt stitchers	4	327	2 10	686 70	10
Belt trimmer	1	327	1 25	408 75	10
Brass boarder	1	310	1 75	542 50	10
Curriers	27	316	1 84	581 44	10
Engineers	2	318	2 00	636 00	10
Firemen	2	308	1 67	514 36	10
Foremen	2	310	2 76	855 60	10
Grainers	7	309	2 57	794 13	10
Helpers	5	320	1 13	361 60	10
Laborers	81	302	1 61	486 22	10
Leather worker	1	306	1 66	507 96	10
Patcher	1	310	2 10	651 00	10
Patent leather workers.....	23	290	1 55	449 50	9
Picket maker	1	327	1 30	425 10	10
Pebbler	1	310	1 50	465 00	10
Shavers	8	308	2 94	905 52	10
Shipper	1	327	2 80	915 60	10
Softeners	2	310	1 75	542 50	10
Splitters	2	309	3 17	979 53	10

TABLE IVf — CITIES — Continued.
LEATHER AND LEATHER GOODS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Table hands	3	310	\$1 50	\$465 00	10
Tackers	3	310	1 10	341 00	10
Tanners	65	306	1 54	471 24	10
Trimmer	1	310	1 33	412 30	10
Watchmen	2	318	1 39	442 02	11
Yard hands	4	310	1 42	440 20	10

LIGHTING APPARATUSES — 5 ESTABLISHMENTS.

Buffers	10	312	\$1 60	\$499 20	11
Engineer	1	306	2 00	612 00	10
Laborers	56	296	1 28	378 88	10
Machinists	26	299	1 60	478 40	10.7
Moulders	20	312	1 60	499 20	11
Painter	1	306	1 90	581 40	9.5
Tinners	13	311	1 60	497 60	10.6

LIME, SAND, CEMENT AND PLASTER — 23 ESTABLISHMENTS.

Blacksmith	1	336	\$3 00	\$1,008 00	11.5
Breakers	6	310	1 50	465 00	10
Carpenters	5	336	2 40	806 40	11.5
Coopers	5	270	1 75	472 50	.....
Coal passers	2	336	1 50	504 00	10
Driller	1	262	1 55	406 10	12
Engineers	17	276	2 09	576 84	11
Firemen	6	272	1 59	332 48	11
Foremen	7	318	3 28	1,043 04	11.4
Laborers	177	292	1 65	481 80	10
Lime burners	61	281	1 59	446 79	10.3
Lime burners and quarrymen	60	351	1 60	561 60	10
Machinists	4	321	3 00	963 00	11
Motorman	1	336	2 80	940 80	14
Oilers	8	284	1 84	522 56	12
Quarrymen	45	277	1 52	421 04	9.8
Stock clerk	1	336	2 16	725 76	12
Teamsters	27	261	1 48	386 28	9.7
Watchmen	2	336	1 50	504 00	12

LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 3 ESTABLISHMENTS.

Apprentices	2	67	\$0 50	\$33 50	9
Compositors	8	242	2 44	590 48	9
Engineer	1	267	2 50	667 50	10
Engravers	2	67	2 00	134 00	9
Etchers	3	142	2 00	284 00	8.7
Finisher	1	293	3 00	879 00	8
Folder	1	267	1 50	400 50	10
Helpers	4	267	.83	221 61	10
Janitors	2	267	1 50	400 50	10
Litho artists	2	267	4 00	1,068 00	8
Litho pressmen	2	267	4 00	1,068 00	10
Litho transferers	2	267	3 60	1,321 20	10
Packer	1	267	1 50	400 50	10
Paper cutters	2	267	2 50	667 50	10
Photographers	3	142	3 73	529 66	8.7
Press feeders	6	267	1 50	400 50	10
Router	2	180	2 35	423 00	8.5
Stone grinder	1	267	2 25	600 75	10
Type pressmen	2	267	3 25	867 75	10

MACHINERY — 57 ESTABLISHMENTS.

Apprentices	315	304	\$0 88	\$252 32	10
Assemblers	3	300	1 25	375 00	10
Blacksmiths	196	302	2 15	649 30	10

TABLE IVf — CITIES — Continued.

MACHINERY — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths' helpers	27	296	\$1 68	\$497 28	9.8
Blacksmiths' strikers	4	301	1 50	451 50	10
Boiler department hands.....	173	307	2 00	614 00	10
Boiler makers	46	307	2 11	647 77	10
Carpenters	177	304	1 87	568 48	10
Chippers	16	305	1 79	545 95	10
Clay tester	1	307	2 00	614 00	10
Core makers	24	308	2 34	720 72	9.8
Crane men	8	305	1 69	515 45	9.8
Cupola tenders	5	300	1 66	498 00	9.8
Draughtsmen	87	296	2 54	751 84	10
Electricians	28	309	1 70	525 30	10
Engineers	29	298	2 03	603 96	9.7
Engine department hands.....	38	307	2 00	614 00	9.5
Erectors	116	303	1 45	446 60	9.6
Finishers	22	307	1 70	521 90	10
Firemen	4	305	1 55	472 25	10.5
Foremen	4	304	3 07	933 28	10
Foundrymen	109	302	1 42	428 84	10.2
Furnace men	2	303	2 75	847 00	10
Grinders	19	300	1 10	330 00	10
Helpers	114	301	1 56	469 56	10
Iron workers	14	275	1 75	481 25	10
Janitor	1	308	1 75	539 00	12
Laborers	1,034	303	1 47	445 41	10
Machinists	1,602	302	2 22	670 44	10
Machinists' helpers	85	307	1 48	454 36	9.7
Machine hands	122	300	1 52	456 00	10
Melter	1	301	6 64	1,998 64	10
Moulders	619	303	2 42	733 26	9.8
Moulders' apprentices	29	303	1 04	320 32	10
Moulders' helpers	135	300	1 49	447 00	9.8
Mounters	3	298	1 80	536 40	9
Nickel plater	1	300	1 85	555 00	10
Painters	73	309	1 68	519 12	10
Pattern makers	81	298	2 44	727 12	10
Polishers	8	300	2 03	609 00	10
Plumber	1	303	2 00	606 00	10
Riveters	20	280	3 40	952 00	10
Roll turners	10	305	3 20	976 00	9.5
Shippers	17	300	1 17	351 00	10
Storekeepers	2	306	1 67	511 02	9
Teamsters	11	296	1 53	452 88	9.7
Tinners	9	313	1 82	569 66	10
Tool makers	2	309	2 50	772 50	10
Ware cleaner	1	290	1 50	435 00	9
Watchmen	10	305	1 49	454 45	10
Winders	8	304	1 51	459 04	9
Wood workers	73	306	2 07	633 42	10
Yard hands	80	307	1 71	524 97	10

MALT — 3 ESTABLISHMENTS.

Foreman	1	280	\$2 50	\$700 00	9
Engineers	5	277	1 65	457 05	10
Laborers	3	276	1 35	372 60	10
Maltsters	34	274	1 67	457 58	10
Warehouse men	2	276	1 50	414 00	10
Watchman	1	280	2 25	630 00	9

MARBLE AND GRANITE — 11 ESTABLISHMENTS.

Apprentices	2	291	\$1 50	\$436 50	9
Carvers	3	307	2 47	758 29	10
Drivers	2	302	1 35	407 70	10
Engineers	2	302	2 00	604 00	10

TABLE IVf — CITIES — Continued.
MARBLE AND GRANITE — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Granite cutters	33	307	\$2 56	\$785 92	9.5
Laborers	20	306	1 39	425 34	10
Millwright	1	302	2 00	604 00	10
Packers	2	302	1 35	407 70	10
Paint mixer	1	302	1 50	453 00	10
Polishers	5	303	1 60	434 80	10
Quarry boss	1	302	1 75	528 50	10

MATTRESSES AND PILLOWS — 7 ESTABLISHMENTS.

Cabinet maker	1	220	\$0 75	\$165 00	7
Carpenter	1	310	2 00	620 00	9
Drivers	3	310	1 25	387 50	9
Foremen	2	310	2 00	630 00	9
Laborers	3	300	90	270 00	9
Mattress makers	39	304	1 73	525 92	9
Mattress packers	3	310	1 25	387 50	9
Picker	1	327	50	163 50	9
Shipper	1	310	1 66	514 60	9
Spring makers	2	310	1 50	465 00	9
Spring workers	27	310	1 00	310 00	9
Stitchers	4	276	1 55	427 80	9.2
Wire workers	20	310	1 00	310 00	9

OIL CLOTH AND WINDOW SHADE CLOTH — 2 ESTABLISHMENTS.

Assistant boiler	1	149	\$1 33	\$198 17	10
Calender men	6	131	2 13	279 03	10
Calender men's helpers	2	114	1 50	171 00	10
Coaters	7	149	2 33	347 17	10
Coaters' helpers	8	149	1 53	235 42	10
Color mixers	9	133	1 66	247 38	10
Embosses	1	114	1 50	171 00	10
Engineers	3	137	2 70	369 90	10
Firemen	4	131	1 95	255 45	10
Grinder	1	114	2 25	256 50	10
Laborers	15	122	1 50	183 00	10
Machinist	1	114	2 50	285 00	10
Millers	6	114	2 37	270 13	10
Millers' helpers	9	114	1 50	171 00	10
Oil boilers	2	131	3 13	410 03	10
Printers	4	131	3 06	400 86	10
Printers' helpers	4	131	1 60	209 60	10
Pumicers	6	114	1 67	190 38	10
Rubbers	5	149	1 43	220 52	10
Shipper	1	114	3 25	370 50	10
Shipper's helper	1	114	1 50	171 00	10
Trimmers	19	132	1 79	236 28	10
Varnish maker	1	114	3 25	370 50	10
Watchmen	4	140	1 79	250 60	10

OIL AND GREASE — 2 ESTABLISHMENTS.

Boiler makers	33	313	\$2 00	\$626 00	9
Carpenters	7	313	2 25	704 25	9
Coopers	5	313	1 67	522 71	9
Laborers	84	313	1 50	469 50	9
Laborers (skilled)	135	312	2 52	788 76	11.6
Machinists	16	313	1 75	547 75	9
Masons	6	313	3 00	939 00	9
Pipe fitters	21	313	1 75	547 75	9
Shop hands	17	313	1 65	516 45	9
Teamsters	11	313	1 50	469 50	9

TABLE IVf—CITIES—Continued.
PAINTS AND VARNISHES—6 ESTABLISHMENTS.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Chemist	1	306	\$4 17	\$1,267 68	10
Engineers	2	228	1 88	428 64	10
Grinders	2	150	1 46	219 00	10
Laborers	4	150	1 25	187 50	10
Helpers	6	309	1 79	553 11	8.7
Packers	2	150	1 50	225 00	10
Paint mixers	10	289	1 60	462 40	9.7
Shipping clerks	2	310	2 00	620 00	8
Varnish makers	4	208	2 18	453 44	8
Lead mixer	1	150	1 25	187 50	10

PATTERNS AND MODELS—8 ESTABLISHMENTS.

Carvers	2	300	\$3 00	\$900 00	10
Helper	1	307	50	153 50	10
Machinist	1	307	2 50	767 50	10
Pattern makers	48	297	2 33	692 01	9.3

PIANOS AND OTHER MUSICAL INSTRUMENTS—7 ESTABLISHMENTS.

Action finishers	8	302	\$1 91	\$576 82	10
Action makers	14	302	2 18	658 36	9.7
Bellymen	10	302	1 75	528 50	10
Cabinet makers	32	302	1 79	540 53	9.8
Carvers	8	302	1 60	483 20	10
Case trimmers	3	301	1 75	526 75	9
Engineers	2	301	2 50	752 50	9.5
Finishers	7	301	3 00	903 00	9
Fly finishers	13	302	1 94	585 88	10
Foremen	10	302	2 75	830 50	10
Machine hands	19	302	1 88	567 76	10
Organ builders	26	305	1 71	521 55	10
Piano makers	2	295	1 50	442 50	9
Piano polishers	5	302	2 00	604 00	10
Piano rubbers	8	302	1 75	528 50	10
Piano varnishers	10	302	1 65	498 30	10
Stringers	4	302	1 50	453 00	10
Tone regulators	5	302	4 36	1,316 72	10
Truss makers	2	302	1 65	498 30	10
Tuners	11	302	2 51	757 02	9.6
Varnisher and polisher	1	300	2 25	675 00	8
Veneer men	11	302	1 86	561 72	10
Watchman	1	302	1 66	501 32	12
Yardmen	10	302	1 56	471 12	9.7

PICKLES, PRESERVES AND SAUCES—2 ESTABLISHMENTS.

Foreman	1	300	\$1 60	\$480 00	10
Laborers	3	300	1 25	375 00	10
Picklers	7	271	1 34	363 14	10

PLATING—4 ESTABLISHMENTS.

Buffers	4	252	\$1 62	\$408 24	9
Fireman	1	248	1 00	248 00	9
Platers	3	360	2 14	770 40	9.3
Polishers	10	283	1 69	443 27	9.6
Solicitor	1	231	2 50	577 50	9

POTTERS' SUPPLIES—3 ESTABLISHMENTS.

Carpenters	2	301	\$2 13	\$641 39	10
Chargers	4	286	1 75	500 50	10

TABLE IVf — CITIES — Continued.
POTTERS' SUPPLIES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Chasers	2	286	\$1 50	\$429 00	10
Cylinder men	10	293	2 10	625 80	10.4
Engineers	5	295	2 10	619 50	12
Laborers	32	303	1 65	490 95	9.4
Millwright	1	286	2 75	788 50	10
Pin makers	10	306	1 50	450 00	8
Seggar markers	10	306	4 00	1 224 00	8
Teamster	1	286	2 00	572 00	10

PLUMBING, STEAM AND GAS FITTING SUPPLIES — 7 ESTABLISHMENTS.

Blacksmiths	4	208	\$2 20	\$457 60.	10
Carpenters	7	246	2 04	501 84	10
Core makers	30	294	2 25	661 50	10
Enamelers	4	275	4 00	1,100 00	7
Enamelers' helpers	4	275	2 50	687 50	7
Foundrymen	27	301	1 50	451 50	10
Gas fitter	1	306	2 50	765 00	10
Gas fitter's helpers	3	120	1 50	180 00	10
Helpers	5	253	76	192 23	10
Laborers	104	244	1 56	380 64	10
Machinists	130	256	2 38	609 28	10
Moulders	91	242	2 85	639 70	10
Moulders' helpers	15	275	1 75	481 25	9
Packer	1	120	1 25	150 00	10
Pattern makers	9	269	2 94	790 86	10
Plumbers	7	226	2 18	492 68	10
Steam fitter	1	306	2 50	765 00	10
Tinner	1	120	2 75	330 00	10
Tinner's helper	1	120	1 50	180 00	10

PRINTING AND BINDING — 135 ESTABLISHMENTS.

Apprentices	36	286	\$0 74	\$211 64	9.2
Arch maker	1	310	1 50	465 00	10
Artists	13	324	4 46	1,445 04	8
Binders	252	325	2 02	656 50	9
Binders' helpers	2	245	1 10	269 50	9.5
Box nailer	1	300	1 00	300 00	9
Collectors	2	308	1 90	585 20	10
Compositors	443	303	2 04	618 12	9.3
Compositors and pressmen	11	311	1 56	485 16	10
Electrotypers	33	319	2 69	858 11	9
Engineers	7	323	2 69	868 87	10
Engravers	18	313	2 36	738 68	8
Errand boys	20	293	25	73 25	3.5
Finishers	3	306	2 50	765 00	9.3
Fireman	1	308	1 50	462 00	9
Folder	1	315	50	157 50	6
Foremen	21	291	2 20	640 20	9
Forwarders	2	201	1 83	367 83	9
Galley boys	2	304	1 08	328 32	9
Helpers	56	315	1 38	434 70	9
Janitor	1	312	50	156 00	9
Job room hands	18	312	1 82	567 84	9.3
Laborers	31	303	1 32	399 96	9.4
Linotype operators	19	318	2 22	705 96	8.6
Lithographers	3	310	2 00	620 00	10
Machinists	15	309	2 26	698 34	9.6
Machine operators	9	308	1 88	579 04	9.5
Mailers	20	308	1 00	308 00	9
Newspaper room hands	13	312	2 00	624 00	9
Packers	3	307	1 39	426 73	10
Porters	6	304	1 50	456 00	9
Press feeders	182	314	1 41	442 74	9
Pressmen	153	310	2 20	682 00	9.4

TABLE IVf—CITIES—Continued.
PRINTING AND BINDING—Concluded.

Occupation—Male,	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Proof readers	3	316	\$2 23	\$704 68	9.7
Rulers	4	227	2 54	576 58	9
Shipping clerks	34	325	1 48	481 00	9
Solicitors	6	290	1 86	539 40	9.2
Stereotypers	1	305	2 00	610 00	10
Stock cutters	4	309	1 96	605 64	9.3
Transferers	5	323	3 65	1,197 20	9
Type operator	1	313	1 50	469 50	10
Watchmen	3	321	2 05	658 05	10
Wrappers	2	308	50	154 00	10

PUMPS AND WATER-WHEELS—4 ESTABLISHMENTS.

Jacksmiths	2	295	\$2 37	\$699 15	10
Carpenters	2	295	2 25	663 75	10
Core makers	6	295	2 05	604 75	10
Draughtsmen	2	295	4 69	1,303 55	10
Engineers	2	297	1 87	555 89	10
Finishers	5	295	2 05	604 75	10
Laborers	22	291	1 38	401 58	10
Machinists	94	299	1 65	494 45	10
Machine runners and helpers.....	91	295	1 32	389 40	10
Moulders	58	297	2 31	686 07	10
Mounters	7	295	1 90	560 50	10
Painters	3	295	1 75	516 25	10
Pattern makers	3	295	2 50	737 50	10
Shipping clerks	3	295	1 58	466 10	10
Tool grinder	1	295	1 80	531 00	10
Trimmers	2	295	1 50	442 50	10
Watchman	1	295	1 75	516 25	10

ROOFING (IRON, STEEL AND TIN)—12 ESTABLISHMENTS.

Blacksmith	1	307	\$2 25	\$690 75	10
Cornice makers	12	307	2 50	767 50	10
Helpers	10	300	1 65	495 00	10
Laborers	63	308	1 43	455 84	10
Laborer (boy)	1	306	75	229 50	10
Machinists	5	304	2 25	684 00	10
Painters	8	307	1 80	552 60	10
Roofers	11	301	2 00	602 00	10
Slaters	14	284	2 59	735 56	9.6
Slaters' helpers	3	250	1 75	437 50	10
Solderers	4	307	2 00	614 00	10
Stampers	6	307	1 50	460 50	10
Tinners	37	295	2 23	657 85	10
Tinners' helpers	2	250	1 00	250 00	10
Tinners and slaters.....	5	250	2 00	500 00	9
Watchman	1	306	1 30	397 80	10

RUBBER GOODS—11 ESTABLISHMENTS.

Blacksmiths	5	284	\$2 39	\$678 76	10
Carpenters	30	302	2 14	646 28	10
Draughtsman	1	270	3 00	810 00	10
Drill hands	72	291	1 60	465 60	10
Engineers	9	290	2 72	788 80	10
Engineers and foremen.....	5	300	2 25	675 00	10
Finishers	5	280	1 50	420 00	10
Firemen	7	282	1 85	521 70	10
Foremen	9	280	2 50	700 00	10
Grinders	3	275	2 55	701 25	10
Helpers	8	280	1 25	350 00	10
Hose hands	31	291	2 00	582 00	10
Laborers	1,352	302	1 65	498 80	10

TABLE IVf—CITIES—Continued.

RUBBER GOODS—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Machinists	70	295	\$2 47	\$728 65	10
Mechanics	3	270	1 90	513 00	10
Mill hands	90	283	1 65	466 95	10
Plumbers	6	300	2 00	600 00	10
Press workers	41	290	1 71	495 90	10
Receiving clerk	1	280	1 50	420 00	10
Receivers and shippers	16	298	1 98	590 04	10
Repairers	10	300	1 50	450 00	10
Rubbers	5	275	2 50	687 50	10
Rubber goods makers	150	291	1 62	471 42	10
Rubber warpers	137	311	1 40	435 40	10
Specialty workers	1	280	1 40	392 00	10
Stock markers	28	275	2 00	550 00	10
Teamsters	2	270	1 87	504 90	10
Time keepers	1	270	1 00	270 00	10
Fire department hands	18	280	1 40	392 00	10
Tire makers	168	295	2 08	613 60	10
Turners	41	283	2 32	656 56	10
Watchmen	4	285	1 75	498 75	10.5

SAFES, VAULTS AND LOCKS—5 ESTABLISHMENTS.

Beltmen and oilers	2	307	\$1 66	\$509 62	10.5
Bench molders	2	200	1 50	300 00	10
Blacksmiths	21	307	1 90	583 30	10.5
Bolt work makers	25	307	1 73	531 11	10.5
Box makers	2	200	1 40	280 00	10
Cabinet makers	10	307	2 23	684 61	10.5
Cupola tender	1	200	1 25	250 00	10
Door fitter	1	200	1 50	300 00	10
Door makers	2	200	1 50	300 00	10
Draughtsmen	3	307	3 30	1,013 10	10.5
Engineers	3	253	2 29	579 37	10.3
Filler	1	200	1 33	266 00	10
Firemen	2	307	1 91	586 37	10.5
Floor molders	4	307	4 55	1,396 85	10.5
Foremen	7	200	2 00	400 00	10
Helpers	8	200	1 00	200 00	10
Improvers	4	307	1 60	491 20	10.5
Iron workers	101	307	1 73	531 11	10.5
Laborers	50	302	1 75	528 50	10
Lock setters	2	200	1 25	250 00	10
Locksmiths	27	307	1 70	521 90	10.5
Machinists	220	302	1 88	567 76	10
Millwright	1	307	2 66	816 62	10.5
Nickel plater	1	200	1 00	200 00	10
Painters	100	291	1 81	526 71	10
Pattern filers	3	271	1 90	514 90	10.3
Plasterers	2	200	1 25	250 00	10
Polishers	12	307	1 93	592 51	10.5
Safe builders	440	300	1 77	531 00	10
Safe builders and painters	64	296	1 53	452 88	10
Safe fillers	5	307	1 74	534 18	10.5
Stock clerks	2	307	1 87	574 09	10.5
Supply men	2	307	1 53	469 71	10.5
Sweepers	3	307	1 43	439 01	10.5
Time keepers	2	307	1 75	537 25	10.5
Tool dressers	2	307	2 43	746 01	10.5
Tool makers	3	307	2 75	844 25	13
Watchmen	2	253	1 53	387 09	11
Woodworkers	18	300	1 86	558 00	10

SALT—3 ESTABLISHMENTS.

Ash haulers	2	267	\$1 33	\$355 11	9.5
Brine tenders	3	271	1 28	346 88	8.6
Bromine stiller	1	277	4 00	1,108 00	8

TABLE IVf—CITIES—Continued.

SALT—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Carpenter	1	277	\$1 50	\$415 50	9
Coopers	24	221	1 33	293 93	7.7
Engineers	4	267	1 50	400 50	12
Firemen	8	266	1 35	359 10	6
Firemen and salt lifters.....	21	300	1 35	405 00	7
Laborers	5	258	1 30	335 40	8
Miners	31	268	1 44	385 92	8
Salt lifters	8	277	1 25	246 25	7
Teamsters	7	287	1 28	367 36	8.9
Watchman	1	258	1 15	296 70	12
Well tenders	3	264	1 37	361 68	8.3

SASH, DOORS, LUMBER AND INTERIOR FINISH—91 ESTABLISHMENTS.

Apprentices	3	308	\$0 66	\$203 28	10
Benders	4	300	1 50	450 00	10
Bench hands	114	301	2 01	605 01	9.7
Bench hands and helpers	38	312	1 40	436 80	10
Blacksmiths	2	308	1 58	486 60	10
Box maker	1	308	1 80	554 40	4
Box nailer	1	308	1 35	405 80	9
Cabinet makers	34	310	2 19	678 90	10
Carpenters	196	296	2 33	689 68	9.4
Carver	1	320	1 25	400 00	10
Choppers	8	294	1 47	432 18	9
Collector	1	300	1 00	300 00	10
Cutters	2	280	3 00	840 00	10
Edger	1	228	1 50	342 00	10
Engineers	51	293	1 73	506 89	10
Finishers	38	306	1 75	535 50	10
Firemen	6	267	1 43	381 81	9.7
Foremen	27	303	2 28	690 84	10
Glazier	1	300	1 60	480 00	9.5
Gluers	12	306	1 50	459 00	10
Helpers	74	298	1 24	369 52	10
Hostler	1	307	1 00	307 00	6
Inspector	1	310	1 50	465 00	10
Laborers	517	294	1 36	399 64	10
Laborers (boys)	7	300	88	264 00	9.4
Lathe turners	3	276	1 67	460 92	10
Lumber workers	47	254	2 08	528 32	9.6
Machine hands	271	302	1 84	555 68	9.8
Machinists and bench hands.....	30	300	1 90	570 00	9
Mechanics	9	308	2 06	634 48	10
Miller	1	250	2 00	500 00	10
Mill hands	210	300	1 82	546 00	9.7
Off-bearers	6	278	1 50	417 00	10
Packers	2	320	1 50	480 00	10
Painters	20	309	2 02	624 18	9.8
Planers	4	277	1 69	468 13	9.7
Saw filer	1	300	2 22	666 00	9
Saw setters	7	243	1 56	379 08	9.7
Sawyers	78	288	1 66	478 08	9.6
Shippers	2	290	1 65	478 50	10
Stacker	1	300	1 25	375 00	10
Tailer	1	300	1 25	375 00	10
Tallymen	4	307	2 25	690 75	10
Tank builders	3	300	2 50	750 00	9.5
Teamsters	210	293	1 66	486 38	10
Teamsters and mill hands.....	5	300	1 50	450 00	10
Teamsters and yardmen	8	300	1 75	525 00	10
Timber buyers	2	300	2 50	750 00	10
Timber cutters	4	275	1 35	371 25	10
Turners	29	287	1 42	407 54	10
Watchmen	12	300	1 30	390 00	11
Woodworkers	21	310	2 07	641 70	10
Yard hands	104	274	1 48	405 32	9.8

TABLE IVf—CITIES—Continued.
SLAUGHTERING AND MEAT PACKING—3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Butchers	15	309	\$1 83	\$565 47	10.4
Drivers	3	307	1 45	445 15	10

SOAP, CANDLES AND TALLOW—10 ESTABLISHMENTS.

Engineer	1	305	\$1 75	\$533 75	10
Laborers	13	327	1 41	461 07	10
Pressers	64	276	1 50	514 00	10
Soap boilers	9	300	2 07	621 00	9.6
Tankman	1	360	2 00	720 00	10
Teamsters	8	307	1 69	518 83	10

SODA AND MINERAL WATERS—32 ESTABLISHMENTS.

Bottlers	33	261	\$1 49	\$388 89	9.8
Bottle washers	17	306	1 07	327 42	10
Drivers	9	294	1 71	796 74	9.7
Engineer	1	260	1 65	429 00	10
Helper	1	308	1 25	385 00	10
Laborers	13	287	1 61	462 07	9
Watchman	1	310	1 66	514 60	12

STEEL, IRON AND TIN—33 ESTABLISHMENTS.

Annealers	44	232	\$1 75	\$406 00	10
Ashmen	10	218	1 88	409 84	10
Assorters	2	254	2 25	571 50	10
Bar mill shearers	28	89	1 63	145 07	10.6
Blacksmiths	95	271	2 45	763 95	10
Blacksmiths' helpers	63	304	1 91	580 64	10
Blooming mill and roll hands	40	311	4 15	1,290 65	10
Bloom shear hands	36	311	3 25	1,010 75	12
Boiler makers	77	297	2 19	650 43	10
Boiler repairers	8	246	2 00	492 00	10
Bottom fillers	92	307	1 86	571 02	11
Bottom house men	20	311	4 79	1,489 69	12
Brakemen	9	338	2 39	307 82	12
Bricklayers	26	261	3 56	929 16	9.5
Bricklayers' helpers	5	210	1 50	315 00	10
Buzzers	1	307	1 50	460 50	10
Cagers	2	318	2 10	667 80	10
Carpenters	120	287	2 07	594 09	10
Cast house men	39	311	2 31	718 41	12
Catchers	102	234	3 23	755 82	8.4
Catchers' helpers	2	236	1 25	295 00	8
Chemists	10	263	1 89	497 07	10
Chemists' assistants	3	365	1 55	565 75	10
Cindermen	16	284	2 20	624 80	11.5
Claymen	1	318	1 50	477 00	10
Coke bin men	2	318	1 75	556 50	12
Cold finishers	100	311	1 85	575 35	10
Cold rollers	96	228	1 29	294 12	10
Conductors	14	317	2 45	776 65	11.8
Converting mill men	76	311	4 91	1,527 01	12
Conveyer boys	2	318	1 00	318 00	12
Coopers	26	231	1 66	383 46	10
Corrugating department hands	24	210	1 75	367 50	10
Crane men	18	269	2 09	562 21	12
Crucible puller	1	240	2 50	400 00	9
Crushers	2	218	1 97	429 46	10
Cupola liners	5	311	2 10	653 10	12
Cupola men	80	311	4 92	1,530 12	12
Cut offs	1	307	1 50	460 50	10
Die maker	1	307	2 00	614 00	10
Dock hands	75	311	4 70	1,461 70	12

TABLE IVf—CITIES—Continued.
STEEL, IRON AND TIN—Continued.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Doublers	118	196	\$5 09	\$997 64	8
Drag outs	4	218	2 25	490 50	10
Draughtsmen	6	330	2 78	917 40	9
Drawing machine hand.....	1	307	1 50	460 50	10
Electricians	129	295	2 24	660 80	11.3
Engineers	282	274	2 25	616 50	11.7
Engineers and firemen	13	250	2 00	500 00	8
Engine wipers	2	318	1 55	492 90	10
Fagoters	17	246	1 35	332 10	10
Finishers	935	263	2 48	652 24	11.3
Firemen	199	278	1 97	546 76	11.7
Flagman	1	318	1 00	318 00	10
Floormen	3	236	1 35	318 60	10
Flyer	1	307	1 50	460 50	10
Foremen	89	303	2 37	729 96	11.7
Foundrymen	17	243	2 19	532 07	10
Furnace men	56	178	1 80	1,020 40	12
Galvanizers	151	179	1 78	318 62	10.7
Gas producers	59	213	2 26	481 38	12
Hammermen	3	262	1 55	406 10	9.3
Heaters	286	251	5 91	1,483 41	10
Heaters' helpers	114	287	2 89	829 43	9.7
Heaters and helpers	30	213	5 40	1,150 20	11.3
Helpers	366	282	1 75	493 50	10.8
Hot finishers	28	311	3 40	1,057 40	12
Hot-mill hands	208	277	4 63	1,282 51	8
Hook-ups	22	252	1 83	461 16	10.3
Inspectors	10	296	2 25	666 00	9.6
Iron carriers	40	324	2 29	741 96	9.5
Iron loaders	4	180	1 75	315 00	10
Iron workers	123	120	3 26	391 20	8
Keepers	10	309	2 38	735 42	11.5
Laborers	6,802	267	1 42	379 14	10
Laborers (coal mine)	34	246	2 17	533 82	9.3
Laborers (skilled)	194	265	3 83	1,014 95	9.3
Laboratory hands	7	297	1 72	510 84	10
Ladle-men	29	311	2 16	671 76	11.6
Loaders	93	244	1 67	407 45	10
Machinists	309	238	2 57	740 16	10
Machinists' helpers	10	346	1 85	640 10	10
Manipulators	6	308	5 00	1,540 00	12
Masons	44	269	3 72	1,000 68	10
Masons and helpers	49	298	2 42	721 16	10
Matchers	48	150	2 07	310 50	9
Mechanics	106	272	2 36	641 92	10
Melters	12	307	2 85	874 95	10
Metal mixers	12	311	1 95	606 55	12
Metal wheelers	34	308	3 15	970 20	11.4
Metal wheelers' helpers	22	308	2 25	693 00	12
Millwrights	51	258	2 29	590 82	10.6
Miners	30	223	2 43	541 89	10
Minor roll hands	85	307	1 40	429 80	10
Molders	17	305	2 53	771 65	9
Muck roll hands	54	299	3 31	989 69	10
Nailers	21	231	6 00	1,386 00	10
Nipper boys and packers.....	90	231	7 00	161 70	10
Oilers	2	307	1 50	460 50	10
Openers	22	282	2 08	586 56	10.6
Open hearth department hands.....	60	210	1 95	409 50	12
Operators	514	263	2 72	715 36	11
Ore men	12	318	1 85	583 30	12
Painters	8	309	1 94	599 46	10
Pair heaters	36	130	2 33	302 90	8
Pattern makers	2	300	3 80	1,140 00	9.5
Picklers	52	251	1 78	446 78	10
Pig casting hands	15	311	2 20	684 20	12
Pilers	8	236	2 00	472 00	8
Pipe fitters	23	304	2 00	603 00	10

TABLE IVf — CITIES — Continued.
STEEL, IRON AND TIN — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Pitmen	20	307	\$1 47	\$451 29	10
Plate pricker	1	240	2 50	600 00	9
Plumbers	4	260	2 35	611 00	10
Pourers	14	309	3 71	1,146 39	12
Power house men	23	311	2 75	855 25	12
Puddlers	751	257	3 59	922 63	9.8
Puddlers' helpers	372	292	2 84	829 28	9.4
Pumpers	2	360	2 00	720 00	12
Riggers	22	297	1 95	579 15	10
Risers	150	254	1 70	431 80	8
Rollers	243	210	8 55	1,795 50	9
Roll hands	78	57	2 00	114 00	10
Roll setters	10	311	2 00	622 00	10
Roll train hands	52	311	4 66	1,449 26	12
Roll turners	176	240	3 19	765 60	10
Roll turners' helpers	6	296	1 65	488 40	10
Roofing department hands	26	277	1 71	473 67	10
Roughers	192	287	3 88	1,113 56	9.6
Run downs	14	184	2 52	463 68	10.5
Sawyer	1	307	1 50	460 50	10
Scrap boys	8	210	1 00	210 00	12
Scrappers	4	100	6 00	600 00	12
Shearmen	74	206	4 05	834 30	9.5
Shearmen helpers	210	295	2 22	654 90	10.2
Shear shop hands	43	311	1 50	466 50	10
Shipper	1	307	3 00	921 00	10
Skull breakers	6	311	1 98	615 78	12
Stagemen	6	308	3 50	1,078 00	12
Steel melter	1	240	3 00	720 00	9
Steel mixer	1	240	4 00	960 00	9
Steel workers	131	260	2 37	616 20	12
Stockers	56	257	1 63	418 91	10.4
Stock unloader	15	318	1 50	477 00	10
Stove tenders	12	174	1 63	283 62	12
Straighteners	316	287	2 47	708 89	10
Striker	1	240	1 50	360 00	9
Stripper house hands	6	308	2 00	616 00	12
Tablemen	4	318	2 00	636 00	12
Teamsters	27	278	2 14	594 92	10
Tinmen	150	254	2 50	635 00	8
Top fillers	27	323	2 12	684 76	10.2
Turn men	54	363	2 08	755 04	10
Warehouse men	21	188	1 62	304 56	10
Watchmen	32	287	1 88	539 56	12
Water tenders	46	293	1 66	486 38	10.2
Weighmen	2	318	2 00	636 00	12
Wheelers	4	236	1 50	354 00	8
Wire drawers	34	231	3 00	693 00	10
Yard clerks	9	297	1 80	534 60	10

STENCILS, STAMPS AND SEALS — 2 ESTABLISHMENTS.

Apprentice	1	300	\$0 70	\$210 00	7
Stamp maker	1	306	1 00	306 00	9

STONE (CUT, SAWED AND ARTIFICIAL) — 12 ESTABLISHMENTS.

Blacksmiths	2	169	\$1 90	\$321 10	10
Blaster	1	196	1 50	294 00	10
Burners	10	332	1 70	564 40	10
Carpenters	3	257	2 00	514 00	10
Cart boys	10	332	1 10	365 20	10
Coopers	14	332	2 50	830 00	9
Crusher	2	306	1 50	459 00	10

TABLE IVf—CITIES—Continued.

STONE (CUT, SAWED AND ARTIFICIAL)—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Driller	5	256	\$1 70	\$435 20	9.6
Engineers	13	301	1 77	532 77	10
Farmer	2	306	1 25	372 50	10
Feeders	2	196	1 60	313 60	10
Fireman	1	250	1 50	375 00	10
Foreman	1	160	2 00	320 00	8
Helpers	2	250	1 67	417 50	10
Laborers	160	255	1 58	402 90	10
Nailers	5	332	1 50	498 00	10
Quarrymen	224	274	1 56	427 44	10
Signal man	1	196	1 50	274 40	10
Stone saw mill hands.....	21	270	1 40	378 00	10
Stripers	4	306	1 50	459 00	10
Teamsters	23	317	1 42	450 14	10
Wheelers	12	332	1 50	498 00	10

STOVES, RANGES AND FURNACES—30 ESTABLISHMENTS.

Apprentices	23	247	\$1 07	\$264 29	9
Blacksmith	1	60	1 75	105 00	10
Buffers	10	277	1 31	362 87	10
Carpenters	19	278	2 25	635 50	10
Carpenters' assistant	1	236	1 50	354 00	10
Cleaners	15	225	1 46	328 50	10
Cupola tenders	21	253	1 79	452 87	9.8
Cupola tenders' helper.....	1	144	1 50	216 00	10
Driller	1	252	1 50	378 00	10
Electro platers	36	280	2 25	630 00	10
Enamelers	2	222	1 83	406 26	10
Engineers	13	252	2 11	531 72	10
Engineers' assistant	1	295	1 50	342 50	10
Filers	4	213	1 37	291 81	10
Filers and fitters.....	5	271	2 20	596 20	10
Fireman	1	252	1 50	378 00	10
Fitter	1	300	1 60	480 00	9
Flask carriers	2	248	1 75	434 00	10
Foremen	7	233	2 89	673 87	10
Foundry men	4	266	1 51	401 66	10
Furnace men	5	382	2 50	955 00	10
Grinders	8	283	1 77	509 76	10
Helpers	20	260	1 52	395 20	10
Inspectors	3	271	1 75	474 25	10
Japanners	5	276	1 42	391 92	10
Laborers	420	291	1 43	416 13	10
Laborers (boys)	3	280	1 75	210 00	10
Machinists	30	294	2 08	611 52	10
Moulders	895	276	2 79	770 04	10
Moulders' apprentices	40	295	1 09	321 55	10
Mounters	314	283	2 29	648 07	10
Mounters' apprentices	16	295	1 88	259 60	10
Nickel department hands.....	5	260	1 00	260 00	10
Packers	9	282	1 80	507 60	10
Packers' assistants	2	236	1 00	236 00	10
Pattern fitter	1	236	2 25	531 00	10
Pattern fitter's assistant.....	1	236	1 50	354 00	10
Pattern makers	28	274	2 53	693 22	10
Platers	16	290	1 93	559 70	10
Platers' helpers	11	271	1 10	298 10	10
Platers and polishers.....	11	281	1 50	421 50	10
Plating room hands.....	4	236	1 40	330 40	10
Polishers	80	281	1 97	553 57	10
Sheet and metal workers.....	8	300	1 85	555 00	10
Shipping clerks	2	283	1 83	527 04	10
Stove makers	50	302	1 50	453 00	9
Teamsters	5	298	1 53	455 94	9.8
Tinners	80	299	1 99	595 01	10
Tinners and sheet workers.....	29	271	1 80	487 80	10

TABLE IVf — CITIES — Continued.
STOVES, RANGES AND FURNACES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Warehouse men	10	258	\$1 56	\$402 48	10
Watchmen	6	215	1 23	270 90	10.5
Yardman	1	252	1 25	315 00	10

STRAWBOARDS AND PAPER — 20 ESTABLISHMENTS.

Acid makers	2	298	\$2 25	\$560 50	12
Back tenders	54	279	1 36	379 44	11.5
Beater furnishers	4	244	1 50	366 00	12
Beatermen	40	295	1 74	513 30	11.8
Beatermen's helpers	36	257	1 35	346 95	12
Blacksmith	1	298	1 75	521 50	10
Bleachmen	30	293	1 41	413 13	10
Boiler room helpers.....	4	300	1 15	345 00	12
Box makers	10	303	1 46	442 38	10
Calender tenders	9	291	1 77	515 07	10
Calender tenders' helpers.....	5	300	1 30	390 00	10
Carpenters	7	297	1 67	396 19	10
Cellarmen	4	307	1 50	460 50	12
Cindermen	2	175	1 35	236 25	12
Coal heavers	6	200	1 43	286 00	11
Coaters	75	303	1 55	469 65	11
Color room hands.....	18	306	1 55	474 30	11
Cookers	3	292	2 03	607 36	11
Cookers' helpers	2	298	1 50	447 00	12
Cutters	5	254	1 64	416 56	10
Cutter boys	29	250	82	205 00	11.7
Cutters' helpers	2	303	1 41	427 23	10
Cutter tenders	19	257	85	213 45	11.7
Duster	1	298	1 33	396 34	10
Engineers	69	262	2 04	534 48	11.5
Engineers' helpers	13	279	1 46	407 34	11.5
Finishers	182	281	1 69	374 89	11
Firemen	49	242	1 69	408 98	11
Firemen's helpers	8	246	1 30	319 80	12
Foremen	5	266	3 13	832 58	11
Helpers	112	236	1 22	348 92	11.4
Laborers	304	272	1 38	375 36	10
Laborers (boys)	12	210	1 00	210 00	10
Lay boys	6	192	1 00	192 00	12
Lime slackers	3	202	1 45	292 90	11.3
Loaders	1	175	1 50	262 50	12
Machinists	4	289	2 19	632 91	10
Machinists, engineers and firemen.....	17	303	1 56	563 58	14
Machine tenders	64	275	2 44	671 00	11.3
Machine tenders' helpers.....	17	267	1 36	363 12	12
Mechanic	1	310	2 50	775 00	10
Millwrights	23	287	2 30	660 10	10.5
Millwrights' helper	1	305	1 33	405 65	10
Nailers	3	175	1 40	245 00	10
Oilers	3	257	1 40	359 80	11
Paper makers	10	210	3 00	630 00	10
Pulp grinders	10	298	1 38	411 24	12
Rag boss	1	298	1 33	396 34	10
Rag room helpers.....	14	307	1 48	454 36	10
Rag tender	1	293	1 75	512 75	10
Roll boys	8	298	98	277 14	12
Roll tenders	8	300	1 09	327 00	12
Rotary men	15	252	1 34	337 68	10.6
Sack maker	1	280	3 00	840 00	10
Saw filer	1	300	1 50	450 00	10
Screen tenders	4	307	1 00	307 00	12
Sheet liners	2	175	1 40	245 00	12
Shipping clerks	2	297	1 87	555 39	11
Size maker	1	307	1 75	537 25	10
Sorter	1	298	1 50	447 00	10
Stock handlers	27	272	1 37	317 84	11.6

TABLE IVf—CITIES—Continued.
STRAWBOARDS AND PAPER—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Straw buyer	1	244	\$3 00	\$732 00	.....
Straw room men.....	4	286	1 25	357 50	10
Straw unloaders	3	175	1 25	218 75	10
Teamsters	49	265	2 45	649 25	10.8
Warehouse men	2	186	1 50	279 00	10
Washermen	12	307	1 41	432 87	12
Watchmen	10	275	1 53	434 50	12
Water tenders	2	298	1 80	536 40	12
Yardmen	9	192	1 44	270 72	10.2

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—24 ESTABLISHMENTS.

Apprentice	1	308	\$1 00	\$308 00	9.
Blacksmiths	3	269	2 25	605 25	10
Can ending boys.....	21	200	1 66	332 00	10
Can makers	5	254	1 65	419 10	10
Can stockers	11	200	60	120 00	10
Car loaders	2	200	1 66	332 00	10
Carpenters	9	303	1 75	530 25	10
Ceiling men	2	300	1 75	525 00	10
Cornice maker	1	300	2 00	600 00	10
Draughtsmen	9	302	2 17	655 34	9.8
Engineers	6	292	1 87	546 04	10.6
Foremen	10	303	3 00	909 00	10
Galvanizers	4	303	2 50	757 50	12
Laborers	247	291	1 40	407 40	10
Laborers (boys)	3	300	1 00	300 00	10
Machine hands	55	228	1 33	303 24	9.8
Machinists	18	283	2 41	682 03	9.7
Mechanics	139	300	1 53	459 00	10
Metal workers	25	301	1 60	481 60	9.8
Millwright	1	200	2 50	500 00	10
Modelers	2	303	2 50	757 50	10
Nailer	1	200	1 50	300 00	10
Oiler	1	200	1 67	334 00	10
Packer	1	200	1 66	332 00	10
Painter	1	306	2 50	769 00	10
Picklers	6	303	2 75	833 25	10
Pressmen	34	287	1 51	433 37	10.3
Printers	3	200	2 08	416 00	10
Refiner	1	303	2 50	757 50	10
Roofers	6	300	1 50	450 00	10
Shipper	1	306	2 00	612 00	10
Slaters	2	306	2 00	612 00	10
Solderers	14	300	2 18	654 00	10
Spinner	1	303	2 50	757 50	11
Teamster	1	306	2 00	612 00	10
Tinners	63	300	1 99	597 00	10.2
Warehouse man	1	200	1 75	350 00	10
Watchmen	3	268	1 50	402 00	11.3

TOBACCO (CHEWING AND SMOKING)—6 ESTABLISHMENTS.

Bulk room hands.....	20	306	\$1 30	\$397 80	10
Casers	25	305	1 25	381 25	10
Cutter	1	275	2 00	550 00	9
Dipper	1	275	2 00	550 00	9
Engineers	3	289	2 08	601 12	9
Feeder	1	275	1 25	343 75	9
Firemen	2	306	1 87	572 22	10
Laborers	80	304	1 25	380 00	10
Layers	15	305	1 00	305 00	10
Leaf handlers	195	211	1 47	299 62	10
Machine hands	44	306	1 49	455 94	10
Packers	37	300	1 49	447 00	10
Pressmen	36	304	1 15	349 60	10

TABLE IVf—CITIES—Continued.
TOBACCO (CHEWING AND SMOKING)—Concluded.

Occupation—Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Re-drying room hands	16	306	\$0 93	\$284 58	10
Shakers	30	305	1 25	381 25	10
Shippers	65	306	1 21	370 26	10
Spinners	32	306	2 13	651 78	10
Stemmers	43	306	2 02	281 52	10
Teamsters	2	306	2 67	817 02	10

TOOLS—15 ESTABLISHMENTS.

Apprentices	25	300	\$0 65	\$195 00	10
Blacksmiths	45	302	3 14	948 28	9.8
Blacksmiths' helpers	9	300	1 73	519 00	9
Carpenters	16	304	1 91	580 64	10
Core makers	42	305	2 00	610 00	10
Draughtsmen	29	305	2 30	701 50	9
Electricians	2	305	2 60	793 00	10
Engineers	10	302	2 03	613 06	9.8
File cutters	2	216	1 75	378 00	9
Firemen	7	304	1 71	519 84	10
Fitter	1	306	1 50	459 00	8
Foremen	3	300	3 00	900 00	10
Forgers	10	300	3 00	900 00	8
Grinders	22	299	2 67	798 33	9
Grinders and polishers	2	300	1 50	450 00	9
Helpers	76	288	1 82	524 16	9.7
Hoe makers	12	300	2 25	675 00	10
Inspector	1	300	2 00	600 00	10
Laborers	406	302	1 30	392 60	10
Machine hands	40	300	1 75	525 00	10
Machinists	551	300	2 28	684 00	10
Machinists' apprentices	114	305	1 00	305 00	10
Millwrights	10	305	2 30	152 50	10
Moulders	100	303	2 74	830 22	9.3
Moulders' helpers	23	301	1 15	346 15	9.6
Packers	11	300	1 42	426 00	10
Painters	16	305	1 60	488 00	10
Pattern makers	18	305	2 30	701 50	10
Plane makers	18	300	2 00	600 00	8
Polishers	12	300	2 13	639 00	9
Pressmen	2	300	3 00	900 00	8
Saw makers	2	300	2 50	750 00	9
Saw makers' helpers	2	300	1 40	420 00	9
Teamster	1	300	1 50	450 00	10
Watchmen	6	303	1 81	548 43	10.7

UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Frame makers	2	298	\$1 75	\$521 50	10
Operators	15	275	1 40	385 00	9.5

WIRE RODS, WIRE CLOTH AND WIRE GOODS—6 ESTABLISHMENTS.

Annealers and cleaners	21	310	\$1 50	\$465 00	11.2
Bird cage makers	6	300	1 75	525 00	10
Coal miners	31	301	2 10	632 10	10
Coal mine laborers	19	301	1 95	586 95	10
Coopers	8	301	2 00	602 00	11
Coopers' helpers	6	301	75	225 75	11
Cut nailers	9	301	7 65	2,302 65	11
Cut Nail helpers	100	301	1 60	481 60	11
Electrician	1	310	2 10	651 00	12
Firemen	7	310	1 50	465 00	12
Furnace men	83	301	2 23	671 23	11
Laborers	123	303	1 39	421 17	11
Machinists	2	300	2 50	750 00	10

TABLE IVf—CITIES—Continued.
WIRE RODS, WIRE CLOTH AND WIRE GOODS—Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Nail mill workers	115	310	\$1 55	\$480 50	11.3
Platers and polishers	7	300	25	675 00	10
Punch makers	12	300	25 00	600 00	10
Riddlers	4	300	1 75	525 00	10
Sifters	15	300	1 00	300 00	10
Warehouse hands	11	310	1 50	465 00	11
Weavers	9	300	2 00	600 00	9.5
Wire drawers	69	310	1 60	496 00	11.3
Wire goods hands	30	300	1 00	300 00	10
Wire mill workers	134	301	1 76	529 76	10.8
Wire nailers	15	301	1 60	481 60	11
Yard hands	8	310	1 47	455 70	10

MISCELLANEOUS — 37 ESTABLISHMENTS.

Bench hands	2	306	\$2 00	\$612 00	10
Blacksmiths	3	163	2 50	407 50	9.6
Box makers	26	271	1 24	336 04	10
Carpenters	17	257	2 50	642 50	--
Callers	2	300	2 50	750 00	10
Chemists	4	60	2 50	150 00	12
Color mixers	39	240	1 75	420 00	10
Cooper	1	60	2 00	120 00	10
Crayon enameleer	1	270	1 25	337 50	10
Crayon moulders	6	270	1 50	405 00	8
Cutter	1	240	1 50	360 00	10
Dryers	2	298	1 35	402 30	10
Enamelers	2	306	2 10	642 60	10
Engineers	10	192	2 45	470 40	10.8
Erectors	2	131	1 50	196 50	9
Factory hands	12	294	2 00	588 00	10
Finishers	9	262	1 83	478 86	10
Finishers' assistant	1	310	1 35	418 50	10
Foremen	4	295	2 03	613 60	10
Frame maker	1	310	1 50	465 00	10
Gilder	1	310	2 00	620 00	10
Gilder's assistant	1	310	1 00	310 00	10
Helpers	11	276	73	201 48	10
Hustlers	8	290	1 50	435 00	8
Ink maker	1	225	4 00	900 00	10
Laborers	178	172	1 44	247 68	10
Laborers (boys)	16	306	75	229 50	10
Machinists	5	292	2 30	671 60	10
Machine hands	12	307	1 50	460 50	10
Marble makers	10	300	1 00	300 00	9
Mask makers	4	300	2 00	600 00	10
Mill hands	18	266	2 07	550 62	10
Nailer	1	300	2 00	600 00	10
Packers	2	302	1 25	377 50	10
Painters	3	250	2 25	562 50	10
Photographer	1	300	2 00	600 00	10
Plasterer	1	93	1 00	93 00	10
Polishers and grinders	2	306	2 00	612 00	10
Press filler	1	298	1 85	551 30	10
Press hands	4	298	1 50	447 00	10
Rubber warpers	7	299	2 00	598 00	10
Shipper	1	310	1 00	310 00	10
Sugar boilers	2	60	4 00	240 00	12
Teamsters	4	287	1 33	381 71	10
Tinners	2	250	2 25	562 50	10
Upholsterer	1	306	2 00	612 00	10
Veneers	6	270	1 30	351 00	10
Weavers	6	267	1 30	347 10	10
Whip stock makers	2	306	1 25	382 50	9
Wood turner	1	250	2 00	500 00	10

TABLE IVf—CITIES—Continued.
ADVERTISING NOVELTIES AND SIGNS—3 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Machine operators	5	308	\$0 92	\$283 36	10
Press operator	1	308	1 00	308 00	10
Sign makers	12	307	1 66	509 62	10

AGRICULTURAL IMPLEMENTS—1 ESTABLISHMENT.

Helpers	60	300	\$1 00	\$300 00	9.5
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AWNINGS, TENTS AND FLAGS—3 ESTABLISHMENTS.

Cutter	1	210	\$1 00	\$210 00	8.5
Machine operators	6	253	1 00	253 00	10
Sewers	4	137	55	75 35	9.2

BAGS (PAPER AND BURLAP)—2 ESTABLISHMENTS.

Factory laborers	36	301	\$0 85	\$255 35	10
Machine operators	20	306	1 00	306 00	10

BASKETS—3 ESTABLISHMENTS.

Basket makers	23	195	\$0 68	\$132 60	8.4
Braiders	6	285	1 00	285 00	10

BICYCLES, BICYCLE SUNDRIES AND AUTOMOBILES—2 ESTABLISHMENTS.

Assemblers	2	295	\$0 79	\$233 05	10
Bag makers	14	295	1 07	315 65	10
Hair pad makers	2	295	1 00	295 00	10
Leather finishers	3	295	1 35	398 25	10
Packers	5	225	75	168 75	9

BOOTS AND SHOES—12 ESTABLISHMENTS.

Cleaners	2	144	\$0 54	\$77 76	10
Cutters	69	288	84	241 92	9
Fitters	984	259	86	222 74	10
Hand workers	20	250	40	100 00	10
Helpers	23	295	47	138 65	10
Machine operators	74	271	74	200 54	10
Packers	44	294	56	164 64	9.8
Shoemakers	98	250	50	125 00	10
Sole department hands	18	250	50	125 00	10
Treers	8	253	69	174 57	10

BOXES (PAPER)—8 ESTABLISHMENTS.

Box makers	148	304	\$0 73	\$221 92	9.6
Cutter	1	300	1 00	300 00	10
Machine operators	13	300	80	240 00	10
Machine operators' assistants	14	300	35	105 00	10

BOXES (WOODEN)—10 ESTABLISHMENTS.

Box makers	22	300	\$0 60	\$180 00	10
Crayon girls	10	225	80	180 00	10
Edgers	2	300	50	150 00	8
Finishers	15	280	63	176 40	10
Forewoman	1	280	95	266 00	10
Laborers	6	300	60	*180 00	10

TABLE IVf—CITIES—Continued.

BOXES (WOODEN)—Concluded.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Nailers	16	298	\$0 69	\$205 62	10
Pasters	8	306	74	226 44	9.5
Trimmers	7	305	83	253 15	9

BREAD AND OTHER BAKERY PRODUCTS—10 ESTABLISHMENTS.

Bakers	2	306	\$0 50	\$153 00	10
Box makers	2	312	75	234 00	10
Dishwasher	1	302	75	226 50	8
Helpers	2	300	1 00	300 00	10
Packers	80	287	66	189 42	9.4
Salesladies	5	307	83	254 81	10

BROOMS AND BRUSHES—5 ESTABLISHMENTS.

Broom makers	3	300	\$0 70	\$210 00	9
Brush makers	30	300	75	225 00	10
Laborers	6	250	50	125 00	10
Sorters	3	300	75	225 00	8

CANNED GOODS—7 ESTABLISHMENTS.

Canners	735	181	\$0 85	\$153 85	10.2
Can makers	12	295	1 78	525 10	9
Dairy department hands.....	9	295	1 00	295 00	11
Inspectors	2	209	80	167 20	10
Labellers	20	240	67	160 80	10
Laborers	132	186	76	141 36	9.4
Packers	20	240	70	168 00	10
Tomato peelers	26	25	65	16 25	10

CARRIAGES AND WAGONS—11 ESTABLISHMENTS.

Trimmers	62	276	\$0 70	\$193 20	10
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CARRIAGE AND WAGON MATERIALS—3 ESTABLISHMENTS.

Laborers	8	300	\$0 65	\$195 00	10
Machine hands	3	300	66	198 00	10
Pasters	3	300	50	150 00	10
Pole and shaft makers.....	3	291	1 00	291 00	10
Sewers	25	300	90	270 00	10

CHEWING GUM—1 ESTABLISHMENT.

Chicle pickers	6	271	\$0 50	\$135 50	10
Rollers	4	271	75	203 25	10
Wrappers	60	271	67	181 57	10

CIGARS—43 ESTABLISHMENTS.

Bunch breakers	255	305	\$0 77	\$234 85	9.6
Cigar makers	164	267	66	176 22	8.5
Laborers	28	296	46	136 16	10
Packers	41	300	77	231 00	8.5
Rollers	306	299	89	266 11	9.6
Stemmers	2	287	58	166 46	5.5
Stogie makers	2	270	1 50	405 00	8
Strippers	260	288	55	155 65	9

TABLE IVf—CITIES—Continued.
CLOTHING—23 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Assorters	4	306	\$0 75	\$229 50	9
Button hole machine operator	1	275	67	184 25	10
Coat makers	15	275	69	189 75	10
Folder	1	200	75	150 00	8
Folders and ironers.....	8	306	83	253 98	9
Foreladies	4	275	1 04	286 00	9.5
Machine operators	18	200	75	150 00	9.3
Overall makers	12	300	75	225 00	9
Pant makers	13	290	89	258 10	10
Seamstresses	907	294	74	217 56	9.7
Shirt makers	28	272	77	209 44	10
Skirt makers	40	300	75	225 00	7
Suspender makers	20	300	75	225 00	9
Tailoresses	13	287	98	281 26	9
Trimmers	4	306	75	229 50	9
Vest makers	10	281	98	275 38	10

COFFEE, BAKING POWDER AND SPICES—4 ESTABLISHMENTS.

Coffee Roasters	2	208	75	156 00	10
Fillers and labellers	2	221	50	110 50	10
Labellers	2	300	75	225 00	10
Laborers	3	268	75	201 00	9

COFFINS AND BURIAL CASES—4 ESTABLISHMENTS.

Coverers	11	312	\$0 96	\$299 52	9.3
Robe makers	10	311	86	267 46	9.4
Seamstresses	12	310	1 23	381 30	10
Wrappers	9	310	1 25	387 50	10

CONFECTIONERY—11 ESTABLISHMENTS.

Candy makers	16	305	\$1 05	\$320 25	9.3
Chalkers	5	308	60	184 80	10
Chocolate dippers	4	310	45	139 50	10
Clerks	3	285	60	171 00	9
Helpers	39	259	69	178 71	10
Wrappers	6	300	97	291 00	9.3

CORDAGE AND TWINE—3 ESTABLISHMENTS.

Balling department hands	12	57	\$1 05	\$59 85	10
Laborers	8	298	1 00	298 00	10
Preparers	20	463	75	347 25	10
Spinners	83	315	1 00	315 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN)—12 ESTABLISHMENTS.

Burlers	4	305	\$1 25	\$381 25	10
Carders and spinners	2	225	1 00	225 00	10
Crocheters	12	300	75	225 00	10
Cutters	8	308	80	246 40	10
Cutters and pressers	16	300	1 00	300 00	10
Finishers	34	303	70	212 10	10
Forelady	1	306	1 50	459 00	10
Joiners	16	300	1 82	546 00	10
Laborers	7	239	65	155 35	10
Knitters	84	124	88	109 12	10
Machine operators	175	305	69	210 45	10
Packers	5	308	55	169 40	10
Seamstresses	40	308	85	261 80	10
Spinners	3	239	80	191 20	10
Splicers	24	305	1 10	335 50	10

TABLE IVf—CITIES—Continued.
COTTON AND WOOLEN GOOD (KNIT AND WOVEN—Concluded.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Warper	1	225	\$1 00	\$225 00	8
Warpers and spoolers	5	300	95	285 00	10
Weavers	48	287	1 31	375 97	10
Weavers' helpers	9	300	60	180 00	10

CUTLERY AND EDGE TOOLS—6 ESTABLISHMENTS.

Cutlers	18	298	\$1 00	298 00	10
Decorators	7	303	85	257 55	10
Laborers	2	300	1 00	300 00	10
Packers	47	290	89	258 10	10
Printers	3	303	1 00	303 00	10
Wrappers	3	254	60	152 40	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES—4 ESTABLISHMENTS.

Bottlers	5	308	\$0 80	\$246 40	9.6
Laborers	9	304	53	161 12	9.4

ELECTRICAL GOODS AND SUPPLIES—10 ESTABLISHMENTS.

Cappers and solderers	3	205	\$1 00	\$205 00	10
Chemists	5	205	1 75	358 75	10
Chimney department workers	10	300	1 75	525 00	10
Clay pipe workers	29	300	80	240 00	9
Glass cutters	3	205	1 00	205 00	10
Inspectors	6	205	1 13	231 65	10
Insulating department hands	30	300	75	225 00	10
Labellers and wrappers	6	205	85	174 25	10
Laborers	130	278	1 02	283 56	10
Lamp makers	140	300	1 17	351 00	9
Mica cutter	1	300	2 00	600 00	10
Mounters	10	300	1 75	525 00	10
Packers	30	255	1 40	371 00	10
Painter	1	205	85	174 25	10
Pumpers	10	300	1 50	450 00	10
Sealers	3	205	1 35	276 75	10
Setters	10	300	75	225 00	10
Sorters	15	223	84	187 32	10
Stone makers	6	205	1 50	307 50	10
Treaters	10	300	1 25	375 00	10
Tubelators	3	205	1 25	256 25	10
Washers	10	205	70	213 50	10
Washers and wrappers	2	205	1 15	235 75	10
Winders	1	302	75	226 50	10
Wire fusers	4	205	75	153 75	10

EXTRACTS, TOILET ARTICLES AND PERFUMERY—7 ESTABLISHMENTS.

Bottler	1	260	\$1 25	\$325 00	8
Finishers	7	300	1 00	300 00	10
Glass workers	6	300	90	270 00	10
Labellers	6	214	61	130 54	8.6
Packers	16	324	50	162 00	10
Trimmer	1	300	83	249 00	8.5

FIRE EXTINGUISHERS—1 ESTABLISHMENT.

Laborers	2	298	\$1 12	\$333 76	10
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FLOURING MILL PRODUCTS—4 ESTABLISHMENTS.

Laborers	6	306	\$0 65	\$198 90	10
Packers	404	250	1 14	285 00	10

TABLE IVf — CITIES — Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS — 4 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Core makers	18	282	\$0 95	\$267 90	10
Winders	9	300	1 00	300 00	9.5
Wrapper	1	307	1 10	337 70	10

FURNITURE — 8 ESTABLISHMENTS.

Caners	4	210	\$0 48	\$100 80	7
Decorators	12	260	1 20	312 00	10
Finishers	10	260	1 00	260 00	9.5
Seamstresses	5	280	79	221 20	9
Wrappers	3	265	50	132 50	9.5

GLASS WORKERS' SUPPLIES — 1 ESTABLISHMENT.

Pot makers' helpers	6	313	\$0 67	\$209 71	8
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GUNPOWDER AND OTHER EXPLOSIVES — 1 ESTABLISHMENT.

Laborers	15	200	\$0 58	\$116 00	10
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GLOVES AND MITTENS — 3 ESTABLISHMENTS.

Seamstresses	109	271	\$0 73	\$197 83	10
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HARDWARE — 4 ESTABLISHMENTS.

Laborers	130	300	\$0 81	\$243 00	10
Packer	1	221	1 00	221 00	8

HARNESS AND SADDLERY — 1 ESTABLISHMENT.

Halter and web makers	20	300	\$0 90	\$270 00	9
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IRON (STRUCTURAL AND ARCHITECTURAL) — 1 ESTABLISHMENT.

Painters'	2	290	\$1 25	\$362 50	10
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JEWELRY — 3 ESTABLISHMENTS.

Engine turner	1	285	\$0 66	\$188 10	10
Engraver	1	285	75	213 75	10
Finishers	3	285	50	142 50	10
Inspectors	2	285	45	128 25	10
Joiners	3	285	44	125 40	10
Polishers	5	285	58	165 30	10
Watch case makers	471	290	1 25	362 50	10

LEATHER AND LEATHER GOODS — 1 ESTABLISHMENT.

Patent leather workers	15	290	\$0 90	261 00	9
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LIGHTING APPARATUSES — 1 ESTABLISHMENT.

Lamp and lantern makers	15	290	\$0 70	\$203 00	10
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LITHOGRAPHING, ENGRAVING AND ELECTROTYPING — 1 ESTABLISHMENT.

Folders	8	267	\$1 00	\$267 00	10
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TABLE IVf—CITIES—Continued.
MACHINERY—1 ESTABLISHMENT.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Fuse makers	2	150	\$0 50	\$75 00	10

MATTRESSES AND PILLOWS—7 ESTABLISHMENTS.

Mattress makers	2	234	\$1 13	\$264 42	10
Seamstresses	22	303	96	290 88	9
Tick makers	2	327	65	214 55	9
Wire workers	13	310	60	186 00	9

PAINTS AND VARNISHES—1 ESTABLISHMENT.

Color card makers	2	150	\$0 75	\$112 50	10
Labellers	2	150	75	112 50	10

PICKLES, PRESERVES AND SAUCES—1 ESTABLISHMENT.

Packers	5	250	\$0 75	\$187 50	10
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PLATING—1 ESTABLISHMENT.

Solicitors	3	231	\$1 25	\$288 75	9
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POTTERS' SUPPLIES—1 ESTABLISHMENT.

Stilt makers	30	306	\$1 25	\$382 50	8
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PRINTING AND BINDING—85 ESTABLISHMENTS.

Apprentices	10	323	\$0 48	\$155 04	9
Binders	438	324	93	301 32	9
Box makers	8	307	55	168 85	9.5
Collector	1	305	83	253 15	10
Compositors	131	306	1 13	345 78	9
Copy holders	3	310	1 00	310 00	10
Cutter	1	306	92	281 52	10
Engraver	1	328	1 00	328 00	8
Folders	13	268	69	184 92	9.4
Gummers	2	306	75	229 50	10
Helpers	22	311	71	220 81	9.4
Index tinner	1	310	75	232 50	10
Mailer	1	306	1 25	382 50	9.5
Press feeders	35	297	79	234 63	9.4
Proof readers	10	328	1 75	574 00	9
Sewers	2	201	75	150 75	9
Shippers	3	328	75	246 00	9
Subscription clerks	60	308	1 00	308 00	9
Type operators	3	311	1 44	447 84	9

ROOFING (IRON, STEEL AND TIN)—2 ESTABLISHMENTS.

Metal workers	1	313	\$1 43	\$447 59	9
Solderers	2	307	1 50	460 50	10

RUBBER GOODS—10 ESTABLISHMENTS.

Drill hands	31	291	\$1 25	\$363 75	10
Fire makers	112	291	1 88	401 58	10
Laborers	242	302	1 03	311 06	10
Polishers	22	275	1 25	343 75	10
Press workers	8	300	1 25	375 00	10
Rubber workers	105	311	96	298 56	10
Specialty workers	8	280	1 00	280 00	10
Stamper	1	270	1 00	270 00	10

TABLE IVf — CITIES — Continued.

SASH, DOORS, LUMBER AND INTERIOR FINISH—3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Enamellers	7	290	\$0 67	\$194 30	10
Finishers	4	320	50	160 00	8
Laborers	1	300	88	249 00	9

SOAP, CANDLES AND TALLOW—5 ESTABLISHMENTS.

Laborers	1	300	\$0 50	\$150 00	9
Packers	4	309	75	231 75	10
Wrappers	37	280	93	260 40	9

SODA AND MINERAL WATERS—1 ESTABLISHMENT.

Labeler	1	310	\$0 75	\$232 50	10
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STEEL, IRON AND TIN—1 ESTABLISHMENT.

Assorters and reckoners	60	254	\$1 20	\$304 80	10
Openers	24	223	1 60	356 80	10

STRAWBOARDS AND PAPER—14 ESTABLISHMENTS.

Assorters	76	300	\$0 62	\$186 00	10
Counters	4	297	89	264 33	10
Cutter girls	25	293	84	246 12	11
Finishers	116	286	76	217 36	10.6
Folders	3	300	60	180 00	10
Helpers	3	303	1 00	303 00	10
Inspectors	10	307	75	230 25	10
Machine tenders	13	1 75	67	117 25	10
Sack makers	5	280	65	182 00	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—8 ESTABLISHMENTS.

Can makers	3	290	\$0 75	\$217 50	10
Can stocker	1	200	60	120 00	10
Draughtsmen	2	300	75	225 00	9.5
Laborers	30	255	77	196 35	10.8
Machine hands	18	200	70	140 00	10
Painters	16	200	63	126 00	10
Press feeders	2	200	1 30	260 00	10
Press hands	2	200	70	140 00	10
Solderers	32	302	1 25	377 50	10
Tinners	15	300	75	225 00	10

TOBACCO (CHEWING AND SMOKING)—6 ESTABLISHMENTS.

Dresser	1	287	\$0 80	\$229 60	8
Leaf handlers	70	300	1 00	200 00	10
Machine hands	79	306	1 13	345 78	10
Packers	38	278	92	255 76	8.8
Press room hands	11	306	1 25	382 50	10
Spriggers	175	305	58	176 90	10
Stemmers	104	306	68	208 08	10
Strippers	18	275	60	165 00	9

TOOLS—2 ESTABLISHMENTS.

Helpers	3	281	\$0 75	\$210 75	9
Painters	3	300	1 00	300 00	10
Wrappers	4	300	75	225 00	10

TABLE IVf—CITIES—Concluded.
 UMBRELLAS AND PARASOLS—2 ESTABLISHMENTS.

Occupation—Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Operators	36	279	\$0 80	\$223 20	9.6
Scarf makers	15	298	70	208 60	10
Tippers	16	298	75	223 50	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS—3 ESTABLISHMENTS.

Cage and guard makers	6	300	\$0 65	\$195 00	10
Nail mill workers	18	310	78	241 80	10
Sifters	10	300	65	195 00	10
Weavers	4	300	64	192 00	9.7
Wire goods makers	10	300	65	195 00	10

MISCELLANEOUS—12 ESTABLISHMENTS.

H. M. filler makers	13	300	\$0 50	\$150 00	10
Laborers	22	295	75	221 25	9
Laborers (girls)	4	306	60	183 60	10
Machine tenders	5	300	60	180 00	10
Marble makers	22	300	1 00	300 00	9
Mask makers	38	300	80	240 00	10
Operators	80	290	75	257 50	8
Packers and shippers	31	275	72	198 00	9
Quillers and finishers	10	295	55	162 25	10
Rollers	9	240	60	144 00	10
Rubber warpers	5	300	1 00	300 00	10
Sewers	2	240	60	144 00	9
Warpers and winders	12	295	80	236 00	10
Weavers	27	295	1 00	295 00	10

TABLE IV# — MANUFACTURES — CITIES.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Carpenter	1	30	.....
“ “	Designer	1	.....	20
“ “	Engravers	2	40	.....
“ “	Pressmen	2	30	.....
“ “	Printers	2	8	.....
Agricultural implements	Laborers	5	10	.....
Bags (paper and burlap).....	Finishers	5	11	.....
Baskets	Machine men	8	11	.....
Billiard tables, bar and store fixtures..	Basket makers	18	10	.....
“ “	Craters	2	20	.....
“ “	Japanner	1	20	.....
“ “	Mechanics	2	20	.....
“ “	Nickel platers	3	20	.....
“ “	Packers	2	20	.....
“ “	Varnishers	2	20	.....
Boilers, engines and tanks.....	Apprentices	5	9	.....
“ “	Blacksmiths	28	6.3	.....
“ “	Boiler makers	123	8.6	.....
“ “	Core makers	3	10	.....
“ “	Draughtsmen	9	10.7	.....
“ “	Engineers	4	5	.....
“ “	Erectors	73	5.7	.....
“ “	Helpers	88	10	.....
“ “	Laborers	225	7.3	.....
“ “	Machinists	298	7	.....
“ “	Machinists	11	.....	9
“ “	Machine hands	8	15	.....
“ “	Moulders	136	7.3	.....
“ “	Moulders	21	.....	1
“ “	Painters	16	5.2	.....
“ “	Pattern makers	18	9	.....
“ “	Sheet steel workers.....	30	3	.....
“ “	Steam fitters	4	5	.....
“ “	Tinners	20	8	.....
“ “	Vise hands	5	8	.....
“ “	Wood workers	42	4.5	.....
Boxes (wooden)	Box makers	2	10	.....
“ “	Car loaders	2	8	.....
“ “	Cut-offs	9	8	.....
“ “	Engineers	5	8.4	.....
“ “	Factory workers	82	.....	2
“ “	Fireman	1	10	.....
“ “	Foreman	1	10	.....
“ “	Helpers	10	2	.....
“ “	Laborers	18	8	.....
“ “	Loom men	6	8	.....
“ “	Lumber pilers	8	8	.....
“ “	Machine hands	12	2	.....
“ “	Nailing machine hand.....	1	8	.....
“ “	Planers	3	8	.....
“ “	Planing mill hands.....	12	10	.....
“ “	Printer	1	10	.....
“ “	Saw filers	4	8	.....
“ “	Sawyers	18	8	.....
“ “	Slat cutter	1	8	.....
“ “	Spool winder	1	8	.....
“ “	Tailers	7	8	.....
“ “	Teamsters	5	8	.....
“ “	Watchmen	2	8	.....
“ “	Yard hands	39	6	.....
Bread and other bakery products.....	Apprentice	1	20	.....
“ “	Apprentices	2	.....	31
“ “	Bakers	9	13	.....
“ “	Helpers	7	8.6	.....
Brooms and brushes.....	Broom makers	5	10	.....
“ “	Buncher	1	7	.....
“ “	Laborers	31	5	.....
“ “	Sewers	17	5.6	.....
“ “	Sorters	57	7.3	.....
“ “	Tyers	45	5	.....
“ “	Watchman	1	10	.....
Canned goods	Canning dept. hands (boys)....	150	5	.....
“ “	Canning dept. hands (men)....	150	1	.....

TABLE IV# — MANUFACTURES — CITIES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries,	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Carriages and wagons.....	Benders	2	10	.....
"	Blacksmiths	29	10	.....
"	Blacksmiths' helpers	2	10	.....
"	Boring machine hands.....	3	10	.....
"	Engineers	2	10	.....
"	Fitters	3	10	.....
"	Foremen	2	25	.....
"	Machine hands	3	10	.....
"	Packers	5	10	.....
"	Painters	27	10	.....
"	Tank makers	4	10	.....
"	Tank makers' helpers.....	4	10	.....
"	Teamsters and laborers.....	3	10	.....
"	Trimmers	20	8.8	.....
"	Wood workers	60	10.8	.....
Carriage and wagon materials.....	Axle makers	190	5	.....
"	Bench hands	16	12.5	.....
"	Benders	2	25	.....
"	Blacksmiths	18	5	.....
"	Engineers	5	10.6	.....
"	Foreman	1	7	.....
"	Inspector	1	7	.....
"	Laborers	126	8.2	.....
"	Machine hands	87	10	.....
"	Polishers	2	15	.....
"	Sander	1	12.	.....
"	Sawyers	2	15	.....
"	Turners	2	15	.....
"	Wagon makers	10	5	.....
Cars and car furnishings.....	Blacksmiths	3	5	.....
"	Car repairers	70	10	.....
"	Laborers	10	15	.....
"	Machine hands	16	25	.....
"	Painters	6	5	.....
Cigars	Bunch breakers	2	25	.....
"	Cigars makers	6	9	.....
"	Rollers	4	21.2	.....
"	Shipper	1	7	.....
Clothing	Cutters	9	13	.....
"	Pressers	5	30	.....
"	Shirt maker	1	25	.....
"	Tailor	1	15	.....
"	Trimmers	2	20	.....
Coffins and burial cases.....	Box maker	1	10	.....
"	Casket coverer	1	10	.....
"	Casket makers	5	10	.....
"	Casket rubber	1	10	.....
"	Drayman	1	10	.....
"	Fireman	1	10	.....
"	Grainers and painters.....	5	10	.....
"	Machine hands	8	10	.....
"	Watchman	1	10	.....
"	Yard hands	2	10	.....
Confectionery	Candy makers	5	10	.....
"	Shipping clerk	1	15	.....
Cooperage	Belters	4	6	.....
"	Coopers	107	12	.....
"	Engineer	1	6	.....
"	Laborers and teamsters.....	4	5	.....
"	Sawyers	4	6	.....
"	Turners	4	6	.....
Copper and brass goods.....	Apprentices	4	25	.....
"	Chippers	2	5	.....
"	Laborers	2	10	.....
"	Melters	2	8	.....
"	Moulders	5	8	.....
Cotton and wool. goods (knit & wov'n)	Engineer	1	10	.....
"	Knitter	1	12	.....
"	Nappers	2	50	.....
Cutlery and edge tools.....	Laborers	12	15	.....
"	Polishers	5	50	.....
Drugs, chemicals and druggists' sund's	Bottlers	2	16	.....
"	Laborers	6	3	.....

TABLE IV#—MANUFACTURES—CITIES—Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation—Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Electrical goods and supplies.....	Apprentices	8	5	.....
“ “	Assemblers	12	10	.....
“ “	Clay workers	52	10	.....
“ “	Drill press hands	10	10	.....
“ “	Electrical warpers	12	5	.....
“ “	Electricians	8	12.5	.....
“ “	Helpers	10	5	.....
“ “	Kiln men	2	10	.....
“ “	Laborers	15	5.8	.....
“ “	Laborers (boys)	3	15	.....
“ “	Lathe hands	10	10	.....
“ “	Machinists	25	10.8	.....
“ “	Moulders	10	5	.....
“ “	Transformer	21	10	.....
“ “	Winders	8	10	.....
Fertilizers	Laborers	2	10	.....
Fire extinguishers	Construction foremen	24	8	.....
“ “	Machinists	7	40	.....
“ “	Pipe fitters	96	16.7	.....
Flouring mill products.....	Engineers	3	7.3	.....
“ “	Helpers	54	12.4	.....
“ “	Laborers	6	10.2	.....
“ “	Millers	18	12	.....
“ “	Millers, engineers, etc.....	10	10	.....
“ “	Packers	24	10	.....
“ “	Teamsters	3	21.3	.....
Foundry and machine shop products..	Apprentices	11	10	.....
“ “	Blacksmiths	20	8	.....
“ “	Blacksmiths' helpers	4	8.5	.....
“ “	Boiler makers	5	12	.....
“ “	Carpenters	7	10	.....
“ “	Carpenters and pattern makers..	10	7	.....
“ “	Chippers	3	8	.....
“ “	Chippers and cleaners.....	50	8	.....
“ “	Core boy	1	12.5	.....
“ “	Core makers	44	10.2	.....
“ “	Crane operators	5	7.6	.....
“ “	Cupola tenders	26	7.3	.....
“ “	Die sinkers	6	10	.....
“ “	Draughtsman	1	7	.....
“ “	Electrician	1	7	.....
“ “	Engineers	12	9.5	.....
“ “	Firemen	7	10	.....
“ “	Foremen	16	8	.....
“ “	Furnace and roll hands.....	75	10	.....
“ “	Hammermen	20	.....	8
“ “	Helpers	41	8.4	.....
“ “	Laborers	466	8.5	.....
“ “	Machinists	131	10.6	.....
“ “	Machinists' helpers	3	10	.....
“ “	Mason	1	10	.....
“ “	Melter	1	10	.....
“ “	Melter's helpers	4	10	.....
“ “	Moulders	215	14.6	.....
“ “	Moulders' apprentices	8	10	.....
“ “	Pattern makers	6	9.3	.....
“ “	Pipe cutters and testers.....	95	10	.....
“ “	Pipe loaders	12	7	.....
“ “	Pit bosses	4	7	.....
“ “	Pit men	90	7	.....
“ “	Rammers	20	7	.....
“ “	Rope makers	8	7	.....
“ “	Sand cutters	3	7	.....
“ “	Sand screeners	12	7	.....
“ “	Srew makers	50	10	.....
“ “	Socket makers	60	9.5	.....
“ “	Teamsters	9	7.7	.....
“ “	Testers	4	16.7	.....
“ “	Trimmers	11	.....	10
“ “	Welders	4	10	.....
Furniture	Cabinet makers	25	18.2	.....
“ “	Carpenters	6	10	.....
“ “	Carvers	15	8	.....

TABLE IV# — MANUFACTURES — CITIES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Furniture	Chair makers	8	10	.....
"	Engineers	2	20	.....
"	Factory hands	35	5	.....
"	Finishers	30	20	.....
"	Furniture workers	85	7	.....
"	Machinists	50	18	.....
"	Machine hands	10	10	.....
"	Shippers	5	30	.....
"	Turner	1	5	.....
"	Upholsterer	1	10	.....
"	Watchman	1	30	.....
"	Yardmen	15	23.3	.....
Glass workers' supplies.	Engineer	1	10	.....
"	Pot makers	6	10	.....
"	Pot makers' helpers.	2	10	.....
Gunpowder and other explosives.	Laborers	25	.....	25
"	Nitro glycerine maker.	1	18	.....
"	Shooters	2	20	.....
"	Teamster	1	20	.....
Hardware	Annealers	17	10	.....
"	Carpenter	1	10	.....
"	Fireman	1	5	.....
"	Laborers (boys)	5	10	.....
"	Machinist	1	25	.....
"	Pattern makers	2	15	.....
"	Tinners	7	5	.....
"	Watchmen	2	15	.....
Harness and saddlery.	Saddlers	5	5	.....
Ice (artificial)	Drivers	21	13	.....
"	Engineers	5	17	.....
"	Firemen	4	12	.....
"	Laborers	22	1.8	.....
"	Tankmen	7	11.7	.....
Iron (structural and architectural)	Blacksmiths	28	7.5	.....
"	Blacksmiths' helpers	26	9	.....
"	Boiler makers	20	10	.....
"	Boiler makers' heaters.	10	10	.....
"	Boiler makers' helpers.	85	10	.....
"	Bridge builders	244	.....	6.3
"	Engineers	3	22.7	.....
"	Erectors	84	10	.....
"	Firemen	2	54	.....
"	Fitters	19	10	.....
"	Foremen	17	10	.....
"	Iron workers	8	10	.....
"	Laborers	115	7.3	.....
"	Layers-off	4	10	.....
"	Layers-out	13	.....	22
"	Machinists	53	7	.....
"	Machinists	8	.....	21
"	Machinists' helpers	26	5	.....
"	Punchers	6	10	.....
"	Riveters	4	10	.....
"	Riveters	28	.....	26
"	Riveters' helpers	16	10	.....
"	Shearmen	20	.....	14
"	Template makers	8	17.5	.....
"	Watchman	1	10	.....
Jewelry	Engineer	1	10	.....
"	Engine turning hands.	2	10	.....
"	Engravers	7	10	.....
"	Finishers	5	10	.....
"	Inspectors	3	10	.....
"	Joiners	6	10	.....
"	Machinists	4	10	.....
"	Plater	1	10	.....
"	Polishers	12	10	.....
"	Press room hands.	6	10	.....
"	Spring department hands.	3	10	.....
"	Turning department hands.	3	10	.....
"	Watchman	1	10	.....
Leather and leather goods.	Apprentice	1	2.2	.....
"	Belt makers	15	2.2	.....

TABLE IV# — MANUFACTURES — CITIES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Leather and leather goods.....	Belt riveters	2	2.2	.....
"	Belt stretchers	4	2.2	.....
"	Belt trimmer	1	2.2	.....
"	Curriers	9	2.2	.....
"	Laborers	68	10	.....
"	Shipping clerk	1	2.2	.....
"	Shipping clerk's assistant.....	1	2.2	.....
Lighting apparatuses	Machinists	2	16.7	.....
Lime, sand, cement and plaster.....	Breakers	6	20	.....
"	Cooper	1	7.7	.....
"	Driller	1	3.2	.....
"	Engineers	4	13.2	.....
"	Firemen	7	17.6	.....
"	Foreman	1	16	.....
"	Laborers	28	4	.....
"	Quarrymen	16	20	.....
"	Teamster	1	1	.....
Machinery	Apprentices	55	30	.....
"	Blacksmiths	37	8.8	.....
"	Blacksmiths' helpers	9	6.7	.....
"	Boiler makers	3	10	.....
"	Carpenters	31	18.5	.....
"	Core makers	6	9	.....
"	Crane operators	3	20	.....
"	Draughtsmen	35	5	.....
"	Electrician	1	16.7	.....
"	Engineers	2	17.5	.....
"	Firemen	2	20	.....
"	Foundry hands	83	15	.....
"	Grinders	19	15	.....
"	Laborers	147	7.6	.....
"	Machinists	324	10.2	.....
"	Machinists' apprentices	10	5	.....
"	Machinists and apprentices.....	83	10	.....
"	Machine hands	106	15	.....
"	Machinists' helpers	5	10	.....
"	Moulders	94	9	.....
"	Moulders' helpers	70	7.5	.....
"	Painter	1	8	.....
"	Pattern makers	20	7.3	.....
"	Pattern makers' apprentice.....	1	10	.....
"	Riveters	20	25	.....
"	Roll moulders	2	10	.....
"	Roll turners	4	7.2	.....
"	Shippers	17	15	.....
Malt	Engineers	5	10.4	.....
"	Foreman	1	12	.....
"	Head maltster	1	10	.....
"	Maltsters	26	10.5	.....
"	Warehouse men	2	10	.....
"	Watchman	1	12	.....
Marble and granite.....	Apprentices	2	33.3	.....
"	Cutters	4	5	.....
"	Laborer	1	20	.....
"	Polisher	1	14	.....
Mattresses and pillows.....	Laborers	3	5	.....
Paints and varnishes.....	Chemist	1	25	.....
"	Engineer	1	5	.....
"	Helpers	2	18.7	.....
Patterns and models.....	Pattern makers	2	25	.....
Pianos and other musical instruments..	Organ builders	20	15	.....
Printing and binding.....	Apprentices	6	22.8	.....
"	Binders	2	10.5	.....
"	Box nailer	1	10	.....
"	Compositors	71	11.8	.....
"	Compositors and pressmen.....	7	5	.....
"	Engravers	2	33	.....
"	Errand boy	1	20	.....
"	Foremen	2	6.7	.....
"	Job printers	13	7	.....
"	Machinists	2	10	.....
"	Machine operators	6	11	.....
"	Newspaper room hands.....	13	25	.....

TABLE IV# — MANUFACTURES — CITIES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Printing and binding.....	Packer and stereotyper.....	1	37.5	.....
"	Press feeders	10	9.1	.....
"	Pressmen	24	9.4	.....
"	Shipper	1	16.7	.....
"	Transferers	5	20	.....
Pumps and water-wheels.....	Pump maker	1	12	.....
Roofing (iron, steel and tin).....	Helpers	10	5	.....
"	Laborers	6	11	.....
"	Metal workers	17	15	.....
"	Roofers	6	5	.....
"	Slaters	6	37.5	.....
"	Tinners	24	16.8	.....
"	Tinners and roofers.....	5	10	.....
Rubber goods	Carpenters	18	10	.....
"	Laborers	1,130	10	.....
"	Rubber goods makers.....	40	7.5	.....
Safes, vaults and locks.....	Box makers	2	15	.....
"	Cupola tender	1	10	.....
"	Door fitter	1	15	.....
"	Door makers	2	16.7	.....
"	Draughtsmen	3	4	.....
"	Engineer	1	15	.....
"	Filler	1	15	.....
"	Helpers	5	10	.....
"	Lock setters	2	20	.....
"	Moulders	9	10	.....
"	Nickel plater	1	10	.....
"	Painters	2	15	.....
"	Pattern filer	1	16.7	.....
"	Plasterers	2	15	.....
"	Safe builders and painters.....	64	10	.....
Salt	Salt lifters	7	10	.....
Sash, doors, lumber and interior finish	Bench hands	63	8.5	.....
"	Benders	4	10	.....
"	Carpenters	105	10	.....
"	Cutters	6	10	.....
"	Engineers	3	15	.....
"	Foreman	1	1	.....
"	Inspector	1	20	.....
"	Machine hands	107	7.5	.....
"	Mill hands	31	10	.....
"	Off-bearer	1	10	.....
"	Painters	10	10	.....
"	Sawyers	2	10	.....
"	Setters	2	11.2	.....
"	Teamsters	25	10.3	.....
"	Teamsters and laborers.....	64	10	.....
"	Timber buyers	2	10	.....
"	Yardmen	5	10	.....
"	Watchman	1	20	.....
Soap, candles and tallow.....	Laborers	60	10	.....
Soda and mineral waters.....	Bottlers	2	25	.....
"	Laborers	6	10	.....
Steel, iron and tin.....	Blacksmiths	10	8.3	.....
"	Blacksmiths' helpers	29	8.7	.....
"	Boiler makers	13	7	.....
"	Bottom fillers	24	6	.....
"	Brakemen	2	6	.....
"	Bricklayer	1	12	.....
"	Carpenters	18	10.5	.....
"	Carpenters	2	.....	1.5
"	Catchers	30	3.1	.....
"	Chemist	1	10	.....
"	Cindermen	6	6	.....
"	Conductors	2	5	.....
"	Doublers	70	2.5	.....
"	Draughtsmen	3	5	.....
"	Engineers	48	7.4	.....
"	Firemen	28	8.7	.....
"	Foremen	12	7.8	.....
"	Foundrymen	4	20	.....
"	Galvanizers	45	7.5	.....
"	Hammerman	1	25	.....

TABLE IV# — MANUFACTURES — CITIES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Steel, iron and tin.....	Heaters	157	6.8	.....
"	Heaters' helpers	122	10	.....
"	Helpers	124	9	.....
"	Hook-ups	11	12.5	.....
"	Iron carriers	9	4	.....
"	Iron workers	10	12	.....
"	Keepers	2	5	.....
"	Laborers	1,127	9	.....
"	Ladlemen	6	10.2	.....
"	Machinists	39	9.6	.....
"	Machinists' helpers	6	10	.....
"	Masons and helpers.....	25	5	.....
"	Metal mixer	1	25	.....
"	Millwrights	10	5	.....
"	Moulders	16	5	.....
"	Muck roll hands.....	54	10	.....
"	Openers	10	11.6	.....
"	Pattern makers	2	6	.....
"	Pipe fitters	22	5.4	.....
"	Pit men	20	8	.....
"	Puddlers	204	10	.....
"	Puddlers' helpers	204	10	.....
"	Risers	150	5	.....
"	Rollers	112	5.3	.....
"	Roll hands	75	10	.....
"	Roll turners	63	12	.....
"	Roll turners' helpers.....	6	10	.....
"	Roofing department hands.....	26	11	.....
"	Roughers	148	10	.....
"	Srew boys	70	2.5	.....
"	Shear boys	18	2.5	.....
"	Shearmen	45	6.1	.....
"	Shearmen helpers	190	7.2	.....
"	Stockers	14	16.7	.....
"	Stove tenders	2	6	.....
"	Straighteners	188	10	.....
"	Teamsters	25	5	.....
"	Tinmen	150	5	.....
"	Top fillers	6	5	.....
"	Warehouse men	21	7	.....
"	Water tenders	42	5	.....
Stone (cut, sawed and artificial).....	Blacksmiths	2	20	.....
"	Burners	10	10	.....
"	Carpenters	3	10	.....
"	Cart boys	10	10	.....
"	Coopers	14	10	.....
"	Crusher men	2	10	.....
"	Drillers	2	10	.....
"	Engineers	11	10	.....
"	Farmers	2	10	.....
"	Helpers	16	10	.....
"	Laborers	60	10	.....
"	Nailers	5	10	.....
"	Quarrymen	82	10	.....
"	Strippers	4	10	.....
"	Teamsters	22	10	.....
"	Wheelers	12	10	.....
Stoves, ranges and furnaces.....	Apprentices	20	9.2	.....
"	Carpenters	8	20	.....
"	Cupola men	3	2	.....
"	Electro platers	36	2	.....
"	Handymen	5	10	.....
"	Helpers	5	10	.....
"	Laborers	7	3.3	.....
"	Moulders	271	4.3	.....
"	Mounters	78	4.8	.....
"	Polishers	10	11	.....
Strawboards and paper.....	Acid makers	2	12	.....
"	Back tenders	12	9.7	.....
"	Beatermen	26	5	.....
"	Beatermen helpers	2	10	.....
"	Bleachmen	7	10	.....
"	Bleachmen helpers	2	5	.....

TABLE IV# — MANUFACTURES — CITIES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Strawboards and paper.....	Boiler room helpers.....	4	4	.....
"	Carpenters	4	14	.....
"	Cookers	2	12	.....
"	Cutter boys	4	25	.....
"	Cutter	1	16.7	.....
"	Cutter's helper	1	20	.....
"	Engineers	8	8.5	.....
"	Finishers	5	10	.....
"	Firemen	2	10	.....
"	Helpers	32	9	.....
"	Laborers	74	7.7	.....
"	Machine tenders	16	10.3	.....
"	Millwrights	15	10	.....
"	Oil tenders	2	4	.....
"	Size maker	1	16.7	.....
"	Stockmen	4	10	.....
"	Teamsters	4	10	.....
"	Water tenders	2	3	.....
Tinware, sheet iron and galv. ironware	Blacksmiths	2	14	.....
"	Carpenters	9	16.7	.....
"	Draughtsmen	6	15	.....
"	Firemen	10	10	.....
"	Galvanizers	4	20	.....
"	Laborers	138	10	.....
"	Machinists	7	12.5	.....
"	Machine hands	5	10	.....
"	Machine operators	10	20	.....
"	Painter	1	10	.....
"	Picklers	6	20	.....
"	Pressmen	3	15	.....
"	Refiner	1	25	.....
"	Sheet metal workers.....	5	5	.....
"	Solderers	2	16.7	.....
"	Tinners	12	10	.....
Tools	Blacksmiths	4	10	.....
"	Fireman and engineer.....	1	20	.....
"	Helpers	13	10	.....
"	Laborers	31	13.3	.....
"	Machinists	90	5	.....
Umbrellas and parasols.....	Operators	15	5	.....
Wire rods, wire cloth and wire goods..	Annealers and cleaners.....	21	7.5	.....
"	Electrician	1	7.5	.....
"	Firemen	7	7.5	.....
"	Laborers	37	8	.....
"	Machinists	2	10	.....
"	Nail mill workers.....	115	7.5	.....
"	Warehouse men	11	7.5	.....
"	Wire drawers	69	7.5	.....
"	Yardmen	8	7.5	.....
Miscellaneous	Bench hands	2	10	.....
"	Box maker	1	15	.....
"	Dryers	2	10	.....
"	Enamellers	2	5	.....
"	Engineer and fireman.....	1	10	.....
"	Laborers	11	7	.....
"	Machine hands	12	5	.....
"	Press filler	1	10	.....
"	Pressmen	4	10	.....
"	Rubber workers	6	10	.....
Totals and averages.....		13,811	9.7	.....
		437	.....	8.7

TABLE IV# — MANUFACTURES — CITIES — Concluded.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Awnings, tents and flags.....	Machine girls	20	20	.....
Baskets	Braiders	6	10	.....
Boxes (wooden)	Pasters	6	10	.....
Bread and other bakery products.....	Saleslady	1	5	.....
Brooms and brushes.....	Laborers	6	20	.....
Canned goods	Canners	190	4	.....
Carriages and wagons.....	Trimmers	5	5	.....
Cigars	Rollers	52	16.4	.....
Clothing	Buttonhole machine operator....	1	40	.....
"	Shirt maker	1	10	.....
"	Tailoresses	7	9	.....
Coffins and burial cases.....	Casket coverers	7	10	.....
Confectionery	Robe makers	4	10	.....
"	Candy makers	11	5	.....
Cotton and wool, goods (knit & wov'n)	Chocolate dippers	4	25	.....
"	Cutters	8	12.5	.....
"	Finishers	12	25	.....
"	Packers	5	10	.....
Cutlery and edge tools.....	Cutlery workers	2	10	.....
Drugs, chemicals and druggists' sund's	Laborers	2	16	.....
Electrical goods and supplies.....	Carbon inspectors	3	2	.....
"	Washers and wrappers.....	2	10	.....
Flouring mill products.....	Packers	60	12.5	.....
Furniture	Caners	8	10	.....
Glass workers' supplies.....	Pot makers' helpers.....	6	10	.....
Jewelry	Engine turning hand.....	1	10	.....
"	Engraver	1	10	.....
"	Finishers	3	10	.....
"	Inspectors	2	10	.....
"	Jointers	3	10	.....
"	Polishers	5	10	.....
Printing and binding.....	Apprentices	9	21.7	.....
"	Binders	4	33.3	.....
"	Compositors	26	18.2	.....
"	Compositor	1	.....	15
"	Helpers	9	20	.....
Roofing (iron, steel and tin).....	Press feeders	6	13	.....
Rubber goods	Metal worker	1	15	.....
"	Laborers	197	10	.....
Tinware, sheet iron and galv. ironware	Rubber workers	53	8	.....
"	Laborers	12	10	.....
Umbrellas and parasols.....	Solderers	23	10	.....
Wire rods, wire cloth and wire goods..	Operators	30	10	.....
Miscellaneous	Nail mill workers.....	18	7.5	.....
"	Rubber warpers	5	10	.....
Totals and averages.....		887	10.1	.....
		1	.....	15

TABLE IV_g — MANUFACTURES — TOWNS AND VILLAGES.
ADVERTISING NOVELTIES AND SIGNS — 4 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Artists	25	209	\$3 65	762 85	8
Die pressmen	6	209	1 35	282 15	10
Engineers	3	243	1 72	417 96	10
Firemen	2	209	1 10	229 90	10
Foremen	6	209	2 50	522 50	10
Laborers	186	247	1 20	296 40	10
Machine hands	7	310	1 75	542 50	10
Press feeders	16	209	1 09	227 81	9.7
Press feeders' helpers	25	209	75	156 75	10
Pressmen	6	209	3 88	810 92	8
Printers	3	306	1 86	569 16	10
Stone grinders	6	209	1 50	313 50	10
Transferers	5	209	4 30	898 70	9
Varnishers	2	310	1 25	387 50	10

AGRICULTURAL IMPLEMENTS — 11 ESTABLISHMENTS.

Blacksmiths	55	289	\$1 86	\$537 54	10
Brush maker	1	235	1 50	352 50	10
Carpenters	10	260	1 50	390 00	9
Core makers	1	271	75	203 25	9
Cupola tenders	2	279	1 37	382 23	9
Drillers	2	300	1 50	450 00	10
Engineers	3	273	1 47	401 31	9.7
Ferrule department hands	15	300	2 00	600 00	8
Finishers	9	143	1 50	214 50	9.3
Foremen	3	260	2 00	520 00	9
Forge department hands	15	300	2 00	600 00	8
Foundry hands	38	248	2 30	570 40	9.8
Grinders	5	292	1 54	449 68	10
Harrow makers	9	306	1 30	397 80	10
Helpers	14	276	1 23	339 48	9.6
Laborers	75	299	1 10	328 90	10
Laborers (boys)	3	235	50	117 50	10
Machinists	61	252	1 60	403 20	9.8
Malleable workers	12	300	1 10	330 00	10
Mechanics	179	295	1 45	427 75	10
Miscellaneous workers	28	306	3 10	948 60	10
Molders	30	292	1 84	537 28	9.6
Painters	48	277	1 62	448 74	9.8
Pattern makers	2	293	2 00	586 00	10
Polishers	8	300	2 06	618 00	9.5
Setters-up	31	305	1 17	356 85	10
Shop hands	39	306	1 83	559 98	10
Teamsters	2	64	1 40	89 60	9
Tinner	1	235	1 67	392 45	10
Wood workers	53	275	1 60	440 00	10

BASKETS — 6 ESTABLISHMENTS.

Basket makers	111	243	\$1 37	\$332 91	10
Blacksmith	1	300	2 00	600 00	10
Carpenters	2	300	2 00	600 00	10
Clippers	3	300	1 50	450 00	10
Cover makers	5	175	90	157 50	10
Engineers	94	277	1 30	360 10	10.5
Firemen	2	300	1 75	525 00	11.5
Laborers	94	277	1 30	360 10	10
Laborers (boys)	12	175	87	152 25	10
Log peelers	3	280	1 50	420 00	10
Machinists	3	300	2 00	600 00	10
Machine helpers	3	280	1 35	378 00	10
Machine men	3	280	1 50	420 00	10
Rafters	5	300	1 75	525 00	10
Sawyers	5	288	1 60	460 80	10
Shipping clerk	1	300	1 75	525 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.

BASKETS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Stock men	5	280	\$1 50	\$420 00	10
Veneer cutters	5	271	1 95	528 45	10
Watchmen	3	293	1 59	465 87	12.3
Warehouseman	1	300	1 50	450 00	10

BILLIARD TABLES, BAR AND STORE FIXTURES — 2 ESTABLISHMENTS.

Cabinet makers	6	290	\$1 75	\$507 50	10
Finishers	4	290	1 75	507 50	10
Laborers	3	290	1 00	290 00	10
Machine men	5	290	1 50	435 00	10
Machinist	1	265	2 00	530 00	10
Nickel plater	1	265	2 25	596 25	10
Nickel platers' assistant	1	265	1 50	397 50	10

BOILERS, ENGINES AND TANKS — 8 ESTABLISHMENTS.

Apprentices	30	309	\$1 00	\$309 00	10
Blacksmiths	14	303	1 78	539 34	9.8
Boilermakers	71	294	2 60	764 40	9.3
Boilermakers' helpers	72	313	1 55	485 15	9
Calkers	2	300	2 50	750 00	10
Engineers	2	300	1 78	534 00	9.5
Fitter-up	1	300	2 50	750 00	10
Flange turner	1	300	2 50	750 00	10
Heaters	6	280	1 50	420 00	9
Helpers	66	296	1 60	473 60	9.2
Iron workers	5	272	2 40	652 80	10
Laborers	32	292	1 39	305 88	10
Machinists	97	303	1 91	578 73	9.8
Machinists' helpers	2	313	1 50	469 50	9
Molders	22	311	2 12	659 32	9.5
Molders' helpers	9	300	2 25	675 00	9.5
Riveters	3	300	2 00	600 00	10
Rivet heaters	3	283	1 09	308 47	10
Rivet holders	7	272	1 50	498 00	10

BOOTS AND SHOES — 3 ESTABLISHMENTS.

Bottomers	32	211	\$1 00	\$211 00	9
Cutters	3	161	2 13	342 93	9
Cutter (lining)	1	161	1 00	161 00	9
Engineer	1	256	1 10	281 60	9
Lasters	8	220	1 16	255 20	9
Shoemaker	3	244	1 10	268 40	10
Stock fitters	2	256	1 10	281 60	9

BOXES (WOODEN) — 3 ESTABLISHMENTS.

Box makers	20	300	\$1 50	\$450 00	10
Engineer	1	300	2 90	870 00	10
Fireman	1	300	1 50	450 00	10
Laborers	7	300	1 40	420 00	10
Machinists	6	300	2 00	600 00	10
Nailer	1	250	1 50	375 00	9
Packers	14	300	1 50	450 00	10
Printers	9	293	1 96	574 28	10
Sawyer	1	250	1 50	375 00	9
Tinners	4	300	1 85	540 00	10
Wax workers	2	300	1 25	375 00	10
Wood workers	72	300	1 50	450 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
BREAD AND OTHER BAKERY PRODUCTS — 2 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bakers	4	311	\$3 12	\$970 32	10
Delivery boy	1	309	50	154 50	10

BROOMS AND BRUSHES — 4 ESTABLISHMENTS.

Broom makers	55	283	\$1 72	\$486 76	10
Driver	1	279	1 25	348 75	10
Engineers	3	253	1 33	336 49	10
Handlers	4	279	1 25	348 75	10
Laborers	10	275	1 00	275 00	10
Painter	1	279	1 25	348 75	10
Sewers	14	272	1 84	500 48	10
Shipping clerk	1	279	1 50	418 50	10
Sizers	8	279	1 00	279 00	10
Sorters	29	274	76	208 24	10
Tyers	3	200	1 25	250 00	10

CANNED GOODS — 18 ESTABLISHMENTS.

Box makers	28	32	\$1 25	\$40 00	10
Can makers	10	300.	1 90	570 00	10
Canners	28	16	1 24	19 84	10
Cappers	2	30	1 50	45 00	10
Carriers	15	30	1 25	37 50	10
Cookers	2	48	1 40	67 20	10
Cutters	38	32	1 04	33 28	10.9
Engineers	8	84	1 94	162 96	10
Exhausters	4	30	1 50	45 00	10
Fireman	1	60	1 50	90 00	10
Helpers	7	58	1 50	87 00	10
Huskers	90	31	90	27 90	8.4
Inspectors	1	30	1 35	40 50	10
Laborers	256	53	1 20	63 60	10.2
Machine hands	7	20	1 85	37 00	10
Packers	15	14	1 25	17 50	9
Pressmen	2	65	1 30	84 50	10
Processors	70	34	1 43	48 62	11.8
Scalders	2	48	1 28	61 44	9
Solderers	33	33	1 52	50 16	8
Teamsters	2	300	1 50	450 00	10
Tipplers and patchers	13	26	1 60	41 60	10
Toppers	2	30	1 25	37 50	10
Watchman	1	300	1 50	450 00	12
Weighmaster	1	58	1 50	87 00	10

CARRIAGES AND WAGONS — 39 ESTABLISHMENTS.

Blacksmiths	165	282	\$1 85	\$521 70	9.7
Blacksmiths' helpers	11	291	1 32	384 12	9.5
Body makers	8	264	1 74	459 36	10
Carvers	2	300	3 00	900 00	10
Carriage makers	140	180	1 66	298 80	10
Carpenter	1	310	1 50	465 00	10
Craters	16	240	1 50	360 00	10
Engineers	8	300	1 62	486 00	9.5
Fireman	1	300	1 67	501 00	10
Foreman	1	298	2 50	745 00	10
Gear hands	10	267	1 05	280 35	10
Horse shoer	1	256	1 67	427 52	8
Helpers	4	305	1 25	381 25	8
Laborers	55	285	1 38	393 30	10
Lumber yard hands	10	300	1 40	420 00	8.5
Machinists	2	300	2 50	750 00	10
Machine hands	13	300	1 36	408 00	8.6
Packers	3	300	1 30	390 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
CARRIAGES AND WAGONS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Painters	230	282	\$1 70	\$479 40	9.5
Painters' helpers	1	300	50	150 00	8
Planer	1	306	1 50	459 00	10
Reed workers	7	236	1 57	370 52	10
Silver platers	2	300	1 33	489 00	10
Shippers	12	252	1 33	395 16	9
Stock hands	3	308	1 44	443 52	12
Teamster	1	300	1 50	450 00	10
Trimmers	126	277	1 71	478 67	9.8
Upholsterers	2	310	2 00	620 00	10
Varnishers	4	300	2 00	600 00	10
Wagon makers	25	256	1 38	353 28	8.4
Wareroom hands	9	308	1 46	449 68	10
Watchman	1	300	1 00	300 00	10
Wood workers	116	290	1 88	545 20	9.5
Wood workers' apprentices	2	300	1 25	375 00	10
Wheel makers	17	300	1 45	435 00	8.5

CARRIAGE AND WAGON MATERIALS — 19 ESTABLISHMENTS.

Belters	10	290	\$2 00	\$580 00	10
Bench hands	28	271	2 00	542 00	10
Blacksmiths	72	315	2 66	837 90	10
Blacksmiths' helpers	2	271	1 25	338 75	10
Draymen	4	325	1 52	494 00	10
Engineers	8	314	1 98	621 72	10
Finishers	42	350	1 31	458 50	10
Firemen	11	334	1 45	484 30	10
Fitters	48	350	2 50	875 00	10
Forgers (axle)	38	350	2 50	875 00	10
Forgers (spring)	47	350	2 00	700 00	10
Grinders	25	350	2 50	875 00	10
Groovers	10	350	1 00	350 00	10
Hammermen	2	290	2 00	580 00	10
Handle makers	10	308	1 50	462 00	10
Heater men	2	290	2 00	580 00	10
Hub workers	25	308	1 50	462 00	10
Hub roughers	4	300	1 35	405 00	10
Inspector	1	290	1 66	481 40	10
Ironers (pole)	7	290	1 75	507 50	10
Ironers (shaft)	12	290	1 50	435 00	10
Laborers	226	296	1 36	402 56	10
Laborers (boys)	5	271	.68	157 18	10
Leather workers	59	308	1 75	539 00	10
Lumber hands	20	308	1 50	462 00	10
Machine operators	43	282	1 52	428 64	10
Machinists	16	334	2 16	721 44	10
Mechanics	72	297	1 61	478 17	10
Mill hands	29	297	1 29	383 13	10
Millwright	1	350	2 25	787 50	10
Packers	6	308	1 38	425 04	10
Polishers	13	342	1 47	502 74	10
Rams men	18	350	2 25	787 50	10
Rim benders	47	304	1 50	456 00	10
Sawyers	5	297	1 48	439 56	10
Trimmers	2	290	3 00	870 00	10
Turners	107	305	1 54	469 70	10
Watchmen	6	292	1 33	388 36	10.8
Wheel makers	267	296	1 40	414 40	10
Woodmen	3	287	1 25	358 75	10
Wood workers	10	290	1 75	507 50	10

CIGARS — 20 ESTABLISHMENTS.

Apprentice	1	280	\$0 75	\$210 00	10
Bunchers	3	290	.77	223 30	8
Cigar makers	32	291	1 63	488 83	9.3
Janitor	1	250	1 00	250 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
CIGARS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Rollers	15	283	\$1 01	\$285 83	8.3
Stemmer	1	300	50	150 00	8
Stockman	1	290	1 00	290 00	10
Stogie makers	30	283	1 53	432 99	10
Strippers	7	287	48	187 76	9.3

CLOTHING — 5 ESTABLISHMENTS.

Coat makers	3	250	\$2 50	\$625 00	10
Cutters	4	284	2 25	639 00	8.8
Engineer	1	308	2 50	770 00	9
Laborer	1	300	66	198 00	9
Pant makers	2	250	1 50	375 00	10
Tailor	1	300	1 65	495 00	10

COOPERAGE — 34 ESTABLISHMENTS.

Belters	6	301	\$1 23	\$370 23	10
Belt splitters	2	290	1 50	435 00	10
Box filler	1	290	1 50	435 00	10
Carrier	1	290	1 50	435 00	10
Churn makers	7	295	1 65	486 75	10
Coilers	4	244	1 69	412 36	10
Coopers	748	187	1 45	271 15	10
Cullers	4	228	1 54	351 12	10
Cut-off man	1	260	1 35	351 00	10
Cutters	11	279	1 89	527 31	10
Engineers	10	265	1 64	434 60	10
Edger	1	260	1 25	325 00	10
Equalizers	2	290	1 38	400 20	10
Finishers	22	288	1 51	434 88	10
Firemen	13	186	1 54	286 44	11
Handle makers	22	257	1 33	341 81	9.4
Helpers	37	174	1 10	191 40	10
Hoop department hands	8	243	1 25	308 75	10
Inspectors	3	238	1 25	297 50	10
Jointers	9	160	1 78	284 80	10
Laborers	257	171	1 29	220 59	10
Laborer (boy)	1	300	1 00	300 00	10
Lappers	4	280	1 00	280 00	10
Lathe men	14	249	1 38	343 62	10
Loader	1	290	1 75	507 50	10
Log man	1	260	1 25	325 00	10
Machine hands	20	295	1 35	398 25	10
Machinist	1	260	2 25	585 00	10
Mill hands	75	149	1 42	211 58	9.6
Off bearers	7	257	1 24	318 68	10
Packers	2	270	1 45	391 50	10
Pilers	2	290	1 50	435 00	10
Pinner	4	275	1 50	412 50	10
Planers	7	269	92	166 78	10
Planers (boys)	2	260	1 00	260 00	10
Puller bolt	1	290	1 50	435 00	10
Pullers (plank)	2	290	1 50	435 00	10
Puller (bar)	1	115	1 25	143 75	10
Sanders	3	245	1 50	367 50	10
Sawyers	37	238	1 56	371 28	10
Sawyers' helpers	2	290	1 50	435 00	10
Setters	2	295	1 38	407 10	10
Shavers	9	313	1 37	428 81	10
Sorter	1	115	1 25	143 75	10
Stick department hands	2	283	1 50	424 50	10
Stick department hands (boys)	5	283	80	226 40	10
Teamsters	12	229	1 50	343 50	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.

COOPERAGE — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Teamsters with team	2	295	\$2 50	\$737 50	10
Truck man	1	290	1 75	507 50	10
Turners	4	227	1 85	419 95	10
Varnishers	4	295	1 18	348 10	9.8
Watchmen	5	295	1 27	374 65	10.8
Wheelers	3	270	1 25	337 50	10
Yard men	4	179	1 88	336 52	10

COPPER AND BRASS GOODS — 2 ESTABLISHMENTS.

Core maker	1	96	\$1 25	\$120 00	10
Helpers	3	239	1 30	310 70	10
Machine hands	2	310	1 58	489 80	9.5
Melter	1	310	1 50	465 00	9.5
Molder	2	203	1 75	359 25	9.8
Pattern maker	1	96	1 25	120 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 10 ESTABLISHMENTS.

Brusher	1	285	\$1 30	\$370 50	10
Burler	1	275	60	165 00	10
Carders	10	280	1 17	327 00	10
Carder boss	1	308	2 75	847 00	10
Card tenders	4	272	58	157 76	10
Cutlers	6	285	1 30	370 50	10
Dyers	4	237	1 88	445 56	10.3
Engineers	4	241	1 88	441 03	10.3
Filler	1	235	1 25	293 75	10
Finishers	21	285	1 19	339 15	10
Glove makers	10	275	1 25	343 75	9
Knitters	8	291	1 03	299 73	10
Laborers	4	285	1 25	356 25	10
Loom boss	1	235	1 50	352 50	10
Loom fixer	1	275	1 50	412 50	10
Machinist	1	285	2 50	712 50	10
Overseers	2	275	1 80	495 00	10
Packers	2	285	1 35	390 15	10
Pickers	20	275	90	247 50	10
Scourers	8	289	1 50	433 50	10
Shipping clerk	1	285	1 75	498 75	10
Sorters	4	272	1 34	364 48	10
Spinners	34	279	73	203 67	10
Spinners' helpers	5	301	50	150 50	10
Turner	1	285	1 00	285 00	10
Wister	1	90	60	54 00	11
Wage hands	6	300	72	216 00	10
Weavers	3	291	2 11	614 01	10
Weavers' helpers	3	308	75	231 00	10
Winders	4	285	1 75	498 75	10
Wool washers	2	272	88	239 36	10

DRUGS, CHEMICALS AND DRUGGISTS' SUNDRIES — 3 ESTABLISHMENTS.

Boxer	1	352	\$1 25	\$440 00	8
Engineer	1	352	1 25	440 00	8
Laborers	23	314	1 54	483 56	10

ELECTRICAL GOODS AND SUPPLIES — 4 ESTABLISHMENTS.

Electricians and machinists	33	300	\$1 77	\$531 00	10
Laborers	3	270	1 50	405 00	9.7
Mechanics' helpers	25	264	1 75	462 00	10

TABLE IVg —MANUFACTURES — TOWNS AND VILLAGES — Continued.
FLOURING MILL PRODUCTS—74 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentice	1	160	\$1 00	\$160 00	10
Coopers	29	173	1 84	388 32	10
Elevator men	3	295	1 83	539 85	10
Engineers	53	221	1 29	285 09	10.2
Exchange man	1	313	1 68	519 58	10
Firemen	10	290	1 44	417 60	10.3
Floor men	7	239	1 40	334 60	8.6
Foremen	2	257	1 71	439 47	10.5
Helpers	32	271	1 19	322 49	10
Head miller	1	107	5 00	535 00	12
Laborers	65	228	1 40	319 20	10
Millers	111	271	1 90	514 90	10.5
Millers' helpers	11	299	1 48	442 52	10.4
Oiler	1	271	1 50	406 50	12
Packers	27	255	1 47	374 85	11
Sweepers	2	293	1 75	219 75	10
Teamsters	39	257	1 34	344 38	10
Warehouse man	1	312	1 25	390 00	10
Watchman	1	290	1 00	290 00	10
Weighmaster	2	307	1 46	448 22	10

FOUNDRY AND MACHINE SHOP PRODUCTS—37 ESTABLISHMENTS.

Apprentice	1	311	\$0 50	\$155 50	9
Assemblers	6	123	1 25	153 75	10
Axle makers	71	256	1 63	417 28	10
Bench hands	5	301	1 25	376 25	10
Blacksmiths	45	304	2 36	717 44	9.7
Blacksmiths' helpers	12	300	1 50	450 00	10
Boiler makers	19	197	2 53	498 41	10
Brick and stone masons	4	300	2 50	750 00	10
Buffers	2	123	1 75	215 25	10
Car builders	4	300	2 10	630 00	9
Carpenters	52	298	1 93	575 14	9.8
Chain makers	58	275	2 60	715 00	10
Chain makers' apprentices	11	275	1 50	412 50	10
Cleaners	65	300	1 55	412 50	10
Core makers	24	300	1 91	573 00	10
Cupola men	3	301	1 50	451 50	10
Drillers	8	212	1 25	265 00	10
Draughtsman	1	301	1 66	499 66	9
Electricians	3	300	2 50	750 00	9
Engineers	26	293	1 89	553 77	10
Firemen	8	302	1 73	522 46	10.8
Foremen	4	212	2 00	424 00	10
Forgers	2	300	2 40	720 00	10
Foundry hands	513	302	1 22	368 44	10.8
Hay shed hands	10	300	2 00	600 00	10
Helpers	19	284	1 13	316 92	9.8
Iron workers	59	303	2 14	648 42	8.2
Laborers	396	301	1 43	430 43	10
Link winders and cutters	17	275	1 65	453 75	10
Machine hands	184	303	1 59	481 77	10
Machinists	308	299	2 11	630 89	10
Machinists' apprentices	12	300	1 00	300 00	10
Machinists's helpers	56	300	1 46	438 00	10
Millers	2	123	1 75	215 25	10
Molders	264	291	2 32	675 12	9.2
Molders' and core makers' helpers	92	300	1 50	450 00	10
Mounter	1	255	2 32	591 60	9.5
Pattern makers	26	302	2 50	755 00	10.3
Plate workers	4	300	2 25	675 00	9
Polishers	10	123	2 25	399 75	10
Pressmen	7	274	1 64	449 36	10
Radiator shop hands	55	304	2 07	629 28	9
Riveters	8	301	1 33	400 33	10
Sand cutters	2	301	1 50	451 50	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
 FOUNDRY AND MACHINE SHOP PRODUCTS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Shop hands	40	308	\$1 40	\$431 20	10
Stock man	1	201	1 35	406 35	10
Switchmen	7	300	1 50	450 00	10
Watchmen	2	211	1 59	335 49	10
Wheel cleaners	6	301	1 50	451 50	10
Wood workers	13	306	1 64	501 84	10
Yard hands	35	306	1 35	413 10	10

FURNITURE — 26 ESTABLISHMENTS.

Assemblers	3	299	\$1 40	\$418 60	10
Bench hands	8	212	1 74	368 88	10
Building department hands	15	299	1 20	358 80	10
Cabinet makers	21	283	1 70	481 10	9.8
Carpenters	4	304	1 62	492 48	10
Carvers	2	86	2 50	215 00	10
Chair makers	364	195	1 40	273 00	10
Cupola tender	1	299	1 60	478 40	10
Drayman	1	86	3 00	258 00	10
Engineers	9	273	1 53	417 69	10
Finishers	56	260	1 45	377 00	10
Firemen	2	195	1 50	292 50	10
Foremen	2	295	1 67	492 65	9.5
Furniture makers	149	265	1 33	352 45	9.6
Gluers	5	272	1 30	353 60	10
Helpers	8	287	1 00	287 00	10
Laborers	176	293	1 07	313 51	10
Machine hands	133	276	1 47	405 72	10
Machinists	4	299	2 00	598 00	10
Mechanics	15	260	1 75	455 00	10
Miller	1	304	2 25	684 00	10
Mill hands	27	302	1 00	302 00	10
Moulders	6	299	2 25	672 75	10
Packers	16	269	1 08	290 52	10
Planer	1	304	1 50	456 00	10
Polishers	1	86	2 65	227 90	10
Rubber	3	86	2 00	172 00	10
Rush seaters	2	86	3 00	258 00	10
Sawyers	6	296	1 67	494 32	10
Sanders	7	86	1 55	133 30	10
Turners	6	168	2 40	403 20	10
Upholsterers	11	183	1 67	305 61	10
Varnishers	11	244	1 52	370 88	9.8
Watchmen	4	246	1 23	302 58	10.5
Wood workers	8	121	1 70	205 70	10

GLOVES AND MITTENS — 2 ESTABLISHMENTS.

Cutters	5	300	\$1 00	\$300 00	10
Machinist	1	156	1 25	194 90	10.5

GUNPOWDER AND OTHER EXPLOSIVES — 2 ESTABLISHMENTS.

Glycerine manufacturers	3	287	\$3 33	\$955 71	8
Helpers	2	278	2 50	695 00	8.5
Shooters	3	306	4 00	1,224 00	7

HARDWARE — 4 ESTABLISHMENTS.

Assemblers	6	300	\$1 50	\$450 00	10
Drillers	5	300	1 50	450 00	10
Laborers	80	300	1 39	417 00	10
Machinists	127	300	2 05	615 00	10
Molders	102	300	2 00	600 00	10
Painters	20	300	1 40	420 00	10
Plater	1	300	3 50	1,050 00	10
Polishers	4	300	1 50	450 00	10
Shipper	1	300	1 75	525 00	10
Tool makers	3	300	2 75	825 00	10

TABLE IVg —MANUFACTURES — TOWNS AND VILLAGES — Continued.
HARNESS AND SADDLERY — 9 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Binders	5	285	\$1 25	\$356 25	10
Blacksmiths	6	285	1 25	356 25	10
Finishers	6	290	1 50	435 00	10
Harness makers	26	295	1 43	421 85	10
Helpers	2	285	1 75	213 75	10
Ironers	5	285	1 25	356 25	10
Laborers	63	260	1 30	338 00	10
Machinists	4	285	1 20	342 00	10
Painters	3	285	1 25	356 25	10
Saddle hands	32	300	1 75	525 00	10
Sawyers	20	290	1 40	406 00	10
Shippers	2	285	1 25	356 25	10
Teamsters	5	289	1 20	346 80	10
Wood workers	17	285	1 25	356 25	10

HOLLOW WARE — 2 ESTABLISHMENTS.

Laborers	25	300	\$1 25	\$475 00	10
Machinists	49	290	1 75	507 50	10
Molders	25	300	2 50	750 00	10
Polishers	15	300	1 75	525 00	10

ICE (ARTIFICIAL) — 2 ESTABLISHMENTS.

Engineers	3	255	\$1 67	\$425 85	12
Helper	1	200	1 50	300 00	12
Tank man	1	365	1 50	547 50	12
Teamster	1	200	1 75	350 00	12
Wagon men	2	365	1 25	456 25	12

IRON (STRUCTURAL AND ARCHITECTURAL) — 2 ESTABLISHMENTS.

Blacksmiths	6	287	\$2 33	\$668 71	10
Blacksmiths' helpers	4	300	1 75	525 00	10
Erectors	7	271	2 00	542 00	10
Gang boss	2	300	2 00	600 00	10
Laborers	34	268	1 49	399 32	10
Machinists	4	280	2 38	746 40	10
Pressmen	3	260	2 00	520 00	10
Riveters	5	276	1 90	524 40	10
Riveters' helpers	8	300	1 75	525 00	10
Rivet heaters	2	300	1 50	450 00	10
Template makers	1	300	3 00	900 00	10

LEATHER AND LEATHER GOODS — 3 ESTABLISHMENTS.

Beamsters	3	312	\$1 33	\$414 96	10
Engineer	1	312	1 25	390 00	10
Finishers	3	312	1 50	468 00	10
Tanners	79	301	1 84	553 84	10

LIME, SAND, CEMENT AND PLASTER — 15 ESTABLISHMENTS.

Blacksmith	1	100	\$1 75	\$175 00	10
Burners	2	110	2 00	220 00	12
Bolt peeler	1	200	1 00	200 00	10
Calciners	2	289	2 00	578 00	10
Carpenter	1	180	2 00	360 00	10
Cement makers	105	219	2 73	597 87	10
Electrician	1	180	2 00	360 00	12
Engineers	14	203	2 01	408 03	10.5
Firemen	9	168	1 57	263 76	8.9
Helper	1	200	1 50	300 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
LIME, SAND, CEMENT AND PLASTER — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Kiln chargers	2	290	\$1 75	\$507 50	9
Laborers	223	225	1 61	362 25	10.3
Lime makers	25	260	1 00	260 00	10
Loader	1	200	1 50	300 00	10
Machinists	3	180	1 75	315 00	12
Machine tender	1	200	1 00	200 00	10
Millers	5	218	1 64	357 52	10.8
Mine boss	1	290	2 30	667 00	9
Miners	22	289	1 95	563 55	9.7
Mixers	2	253	1 93	488 29	10
Overseer	1	306	2 00	612 00	10
Packers	2	110	1 35	148 50	10
Plaster makers	6	275	1 75	481 25	10
Quarrymen	5	222	1 66	368 52	10
Shovelers	32	211	1 59	335 49	10
Teamsters	9	219	1 72	376 68	10
Teamsters (with team)	33	208	3 50	728 00	10
Watchman	1	290	1 25	362 50	10
Weigher	1	200	2 00	400 00	10

MACHINERY — 32 ESTABLISHMENTS.

Apprentices	2	305	\$0 60	\$183 00.	10
Axle department hands	20	300	1 60	480 00	10
Bench hands	5	303	1 43	493 29	10
Blacksmiths	17	266	1 91	508 06	10
Blacksmiths' apprentices	2	300	1 50	450 00	10
Boiler maker	1	310	2 50	775 00	10
Carpenters	27	313	1 59	497 67	10
Core makers	7	301	1 53	460 53	10
Core maker (boy)	1	300	1 00	300 00	10
Cupola tender	1	57	1 25	71 25	10
Draughtsmen	5	262	2 28	597 36	9.4
Engineers	10	304	1 61	489 44	10
Erectors	2	350	1 75	612 50	10
Finishers (brass)	35	300	1 80	540 00	10
Firemen	3	223	1 38	307 74	10
Floor men	3	57	1 45	82 65	10
Foundry hands	24	260	1 63	423 80	10
Helpers	67	294	1 46	429 24	10
Laborers	128	294	1 31	335 14	10
Lathe hand	1	303	2 00	606 00	10
Machine hands	32	282	1 64	462 48	10
Machine hands' apprentices	4	310	1 95	294 50	10
Machinists	443	284	1 89	536 76	9.8
Machinists' apprentices	10	302	1 95	286 90	10
Machinists' helpers	72	306	1 89	578 34	10
Machine shop hands (boys)	2	300	1 75	225 00	10
Molders	142	298	2 39	712 22	10
Molders' apprentices	12	305	1 90	274 50	9.4
Molders' helpers	50	306	1 70	520 20	10
Nail makers	4	306	2 50	765 00	10
Painters	8	273	1 51	419 78	10
Pattern makers	12	301	2 18	656 18	9.8
Pipe fitters	2	310	1 75	542 50	9.5
Rivet makers	15	306	2 00	612 00	10
Shipping clerks	2	300	1 62	486 00	10
Teamster	1	300	1 50	450 00	10
Tool makers	2	300	2 00	600 00	10
Watchmen	2	350	1 43	500 50	12
Wire drawers	5	306	2 00	612 00	10
Wood workers	14	302	1 70	513 40	9.3

MATCHES — 3 ESTABLISHMENTS.

Box makers and packers	118	266	\$1 11	\$295 26	10
Case makers	11	266	1 20	319 20	10

TABLE IVg —MANUFACTURES — TOWNS AND VILLAGES — Continued.

WATCHES — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Fillers	10	287	\$1 65	\$473 55	10
Foundry hands	18	266	2 15	571 90	10
Laborers	207	280	1 51	422 80	10
Machine shop hands	142	266	1 95	518 70	10
Match makers	95	266	1 41	375 06	10
Pattern shop hands	5	266	1 80	478 80	10
Preparers	12	266	1 36	361 76	10

PAINTS AND VARNISHES — 2 ESTABLISHMENTS.

Carpenter	1	308	\$2 25	\$693 00	10
Color worker	1	308	1 75	539 00	10
Engineers	2	308	2 13	645 39	10
Grinders	3	305	1 50	457 50	10
Laborers	11	307	1 48	454 36	10
Mixers	5	306	1 53	468 18	10
Shipping clerk	1	308	1 60	492 80	10
Tinter	1	308	2 50	770 00	10
Watchmen	1	308	1 60	492 80	14

PIANOS AND OTHER MUSICAL INSTRUMENTS.—2 ESTABLISHMENTS.

Action workers	2	306	\$3 00	\$918 00	10
Back maker	1	306	1 50	459 00	10
Bellymen	2	306	2 00	612 00	10
Case makers	2	306	2 75	841 50	10
Engineer	1	306	1 75	535 50	10
Finishers and varnishers	6	306	1 50	459 00	10
Fly finisher	1	306	2 25	688 50	10
Gluer	1	306	2 00	612 00	3
Machine hands	3	306	1 75	535 50	10
Piano makers	5	283	3 00	849 00	10
Stringer	1	306	1 50	459 00	10
Trimmer	1	306	3 00	918 00	10
Veneers	2	306	2 00	612 00	10
Watchman	1	306	1 25	382 50	12

PRINTING AND BINDING—16 ESTABLISHMENTS.

Binders	2	267	\$2 00	\$534 00	9.5
Job man	1	312	2 50	780 00	10
Laborer (boys)	1	308	50	154 00	10
Press feeders	2	306	1 00	306 00	9
Pressmen	4	310	1 60	496 00	9.8
Printers	35	282	1 43	403 26	9.7
Solicitor	1	220	1 25	275 00	.....

ROOFING (IRON, STEEL AND TIN)—4 ESTABLISHMENTS.

Foreman	1	280	\$2 25	\$630 00	10
Iron workers	6	143	1 60	228 80	10
Laborers	32	279	1 56	435 24	10

RUBBER GOODS—2 ESTABLISHMENTS.

Curers	2	309	\$1 50	\$463 50	10
Dipper	1	309	2 25	695 25	10
Engineer	1	309	2 25	695 25	10
Helpers	22	309	1 02	315 18	10
Rubber workers	93	295	1 75	516 25	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
SALT — 3 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Ash haulers	3	337	\$1 58	\$532 46	10
Brine tender	1	281	1 50	421 50	9
Bromine maker	1	281	3 00	843 00	7
Coal hauler	1	281	1 15	323 15	9
Coopers	18	328	1 13	370 64	9.6
Engineers	9	328	1 78	583 84	11
Firemen	20	348	1 38	480 24	7.6
Laborers	10	357	1 38	492 66	10
Lifters	5	281	1 20	337 20	6
Loaders	4	315	1 65	519 75	10
Nailers	9	346	87	301 02	9.6
Oilers	3	365	1 80	657 00	12
Packers	88	308	1 48	455 84	8.1
Steam fitters	2	365	1 90	693 50	10
Sweepers	2	365	1 58	328 50	10
Well tenders	4	344	1 58	543 52	8.5
Wheelers	7	365	1 50	547 50	8

SASH, DOORS, LUMBER AND INTERIOR FINISH — 74 ESTABLISHMENTS.

Apprentice	1	301	\$1 75	\$526 75	9
Box makers	10	300	1 25	375 00	10
Brush department hands (boys).....	10	300	75	225 00	10
Cabinet and bench hands.....	87	298	1 82	542 36	9.8
Carpenters	79	264	1 90	501 60	9.6
Carver	1	300	2 00	600 00	10
Coopers	2	300	1 50	450 00	10
Cutters	13	124	1 37	169 88	10
Engineers	26	249	1 63	405 87	10
Estimator	1	280	1 40	392 00	10
Draughtsmen	3	293	2 13	624 09	10
Edger	1	306	1 50	459 00	10
Filer	1	280	2 75	770 00	10
Finishers	7	291	1 65	480 15	10
Firemen	6	263	1 46	383 98	9.8
Foreman	8	294	2 02	593 88	10
Frame maker	1	280	1 75	490 00	10
Glazier	1	363	2 00	726 00	10
Haulers	5	28	1 50	42 00	11
Helpers	13	282	1 15	324 30	10
Laborers	242	249	1 35	336 15	9.8
Laborers (boys)	2	300	75	225 00	10
Log cutters	2	306	1 50	459 00	10
Lumber workers	65	257	1 21	310 97	8.2
Machine hands	78	288	1 70	489 60	10
Machinists	6	233	2 04	475 82	9.8
Mill hands	122	270	1 59	429 30	9.8
Off bearers	3	223	1 33	296 59	9.7
Painters	3	302	1 40	422 80	10
Planers	2	280	1 40	392 00	10
Sash maker	1	280	1 75	490 00	10
Sawyers	29	197	1 65	325 05	10
Setters	3	262	1 39	364 18	10
Stackers	4	280	1 10	308 00	10
Stair builders	4	285	2 00	570 00	9.8
Teamsters	42	276	1 35	372 60	10
Tinners	3	293	2 00	586 00	10
Turners	3	293	1 79	524 47	10
Watchmen	4	270	1 19	321 30	10
Wood workers	16	285	1 98	564 30	10
Wood workers and machinists.....	28	295	1 75	516 25	10
Yard men	27	270	1 38	372 60	9.7

SODA AND MINERAL WATERS — 8 ESTABLISHMENTS.

Bottlers	12	289	\$1 54	445 06	9
Bottle washers	2	255	63	160 65	10
Drivers	3	283	1 83	517 89	10
Laborer	1	308	1 00	308 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
STEEL, IRON AND TIN — 25 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Annealers	43	251	\$1 70	\$426 70	10
Assorters and reckoners	13	251	3 04	763 04	10
Ash wheelers	14	253	1 64	414 92	10.3
Bar mill men	10	251	3 50	878 50	10
Blacksmiths	46	258	2 59	668 22	10
Blacksmiths' helpers	4	248	1 54	381 92	10
Boiler cleaners	4	356	1 50	534 00	10
Boiler makers	20	302	2 25	679 50	10
Bottom fillers' helpers	18	306	1 82	556 92	12
Bricklayers	25	302	4 50	1,359 00	10
Bundler	1	250	1 50	375 00	10
Cagers	6	338	1 93	652 34	12
Carpenters	60	263	2 14	562 82	10
Cart driver	1	312	2 55	795 60	10
Cart men	3	310	1 25	387 50	12
Car trimmer	1	312	1 80	561 60	12
Casting machine men	10	312	2 00	624 00	12
Catchers	85	250	3 16	790 00	8
Chemists	3	322	2 79	898 48	10
Chemists' helpers	4	320	1 64	524 80	10
Cinder men	39	297	1 83	543 51	12
Cinder sweepers	13	353	1 95	658 35	12
Cold rollers	75	251	1 30	326 30	10
Coal heavers	27	148	1 05	155 40	10
Crane men	5	248	1 67	414 16	10.8
Doublers	73	251	7 25	1,819 75	8
Drawers	22	356	2 25	801 00	8
Dust catcher men	2	353	1 55	547 15	12
Electricians	16	302	2 01	607 02	10
Engineers	121	259	2 16	559 44	11.4
Engineer (assistant chief)	1	312	3 12	973 44	10
Engineers (chief)	2	333	3 35	1,115 55	10
Fillers	179	293	1 75	512 75	11.7
Fillers' helpers	8	360	1 85	666 00	12
Firemen	84	245	1 81	443 45	11.4
Firemen's helpers	2	353	1 69	596 57	12
Foremen	17	299	2 53	756 47	11
Foundry man	1	140	2 50	350 00	12
Furnace chargers	3	243	2 50	607 50	8
Gas makers	9	243	1 84	447 12	12
Guttermen	16	250	1 95	487 50	11.5
Heaters	153	247	5 29	1,306 63	8.7
Heaters' helpers	12	243	2 50	607 50	8
Hot blast men	19	256	2 00	512 00	8.8
Iron carriers	84	297	2 34	694 98	11.8
Iron graders	20	353	1 52	536 56	10
Iron loaders	36	278	1 59	442 02	10.2
Keepers	23	253	1 91	483 23	12
Keepers' helpers	38	273	1 82	496 86	12
Laborers	2,598	265	1 49	394 85	10
Laborers (skilled)	2,187	214	3 54	757 56	9.8
Miners	120	320	2 08	665 60	8
Miners and mill laborers	71	213	2 43	517 59	8.5
Oilers	3	336	1 71	574 56	12
Openers	21	251	1 79	449 29	10
Ore burners	2	140	1 00	140 00	10
Ore men	2	310	1 40	434 00	12
Ore pounders	2	140	1 00	140 00	10
Ore setter	1	310	1 25	387 50	12
Picklers	54	251	1 68	421 68	10
Pipe fitters	17	302	2 22	670 44	10
Puddlers	92	243	3 50	850 50	10
Pumpers	2	356	2 10	747 60	8
Risers	78	251	1 85	464 35	9
Road men	4	356	2 28	811 68	8
Rollers	87	250	10 46	2,615 00	8.4
Rollers' helpers	2	243	3 00	729 00	12
Roll hands	53	243	2 50	607 50	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.

STEEL, IRON AND TIN — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Roll turners	13	246	\$3 26	\$801 96	10
Scale men	4	354	1 93	683 22	12
Scrap men	4	307	1 83	561 81	12
Screen hands (boys).....	73	251	1 20	301 20	8
Shearers	62	246	2 72	669 12	9.2
Shearers (boys)	23	251	82	205 82	8
Shearers' helpers	6	243	2 00	486 00	8
Stackers	8	258	2 03	523 74	9
Stove tenders	8	302	1 81	546 62	11.5
Straighteners	14	237	1 55	367 35	10
Teamsters	15	255	1 51	385 05	8.9
Timekeeper	1	243	1 75	425 25	.....
Tinners	78	251	2 96	742 96	9
Troughmen	8	260	1 59	413 40	9
Warehouse men	3	243	1 60	338 80	10
Watchmen	5	243	1 60	388 80	12
Water carriers (boys).....	2	243	1 00	243 00	12
Water tenders	10	292	2 02	589 84	12
Weighmen	4	278	1 63	453 14	12

STONE (CUT, SAWED AND ARTIFICIAL) — 7 ESTABLISHMENTS.

Blacksmith	1	263	\$2 00	\$526 00	10
Engineers	7	272	2 13	579 36	10
Foreman	1	263	3 50	920 50	10
Laborers	180	240	1 57	376 80	10
Lime burners	2	285	1 25	356 25	10
Machinist	1	250	1 75	437 50	10
Quarrymen	63	250	1 46	365 00	9.7
Stone cutters	4	350	3 00	1,050 00	10
Stone workers	98	240	1 25	300 00	9
Teamsters	3	285	1 25	356 25	10

STOVES, RANGES AND FURNACES — 4 ESTABLISHMENTS.

Blacksmith	1	250	\$2 00	\$500 00	10
Boiler makers	2	250	2 00	500 00	10
Carpenters	2	250	2 00	500 00	10
Engineer	1	186	1 50	279 00	9.5
Foundry hands	2	268	1 75	469 00	10
Helpers	5	250	1 00	250 00	10
Laborers	6	218	1 13	246 34	9.8
Machinist	1	186	2 25	418 50	9.5
Mechanics	4	263	1 50	402 00	10
Metal polishers	2	250	2 00	500 00	10
Moulders	3	186	2 41	448 26	9.5
Mounters	2	250	2 00	500 00	10
Nickle plater	1	250	2 50	625 00	10
Painter	1	186	2 00	372 00	9.5
Sheet metal workers.....	3	250	2 00	500 00	10
Stove makers	20	250	1 25	312 50	10

STRAWBOARDS AND PAPER — 16 ESTABLISHMENTS.

Back tenders	9	212	\$1 39	\$294 68	12
Beatermen	29	238	1 74	414 12	11.3
Beatermen's helpers	28	256	1 42	363 52	12
Bleachers	7	136	1 35	183 60	10
Box makers	2	313	1 75	547 75	9
Calender men	4	311	1 97	612 67	9.3
Calender men's helper.....	1	303	1 25	378 75	10
Carpenters	3	300	1 91	573 00	10
Coal heaver	1	136	1 00	136 00	10
Counter	1	303	1 25	378 75	10
Cutters (boys)	22	269	88	227 92	11.5

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
STRAWBOARDS AND PAPER — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Engineers	20	246	\$2 00	\$492 00	10.7
Envelope makers	39	300	1 92	576 00	10
Finishers	44	292	1 66	484 72	9.7
Firemen	28	259	1 66	429 94	11
Foremen	2	275	2 75	756 25	11
Helpers	16	300	1 75	525 00	10
Laborers	161	265	1 44	381 60	10.2
Lay-off hands (boys).....	10	301	74	222 74	12
Loft men	12	313	1 67	522 71	8
Machine tenders	41	265	2 27	601 55	11.8
Machine tenders' helpers.....	18	305	1 50	457 50	11.7
Machinists	4	307	3 09	948 63	10
Millwrights	9	225	2 12	477 00	10
Paper mill hands.....	174	311	1 45	450 95	10
Rag boss	1	275	1 50	412 50	12
Rag boss's helpers.....	2	275	1 33	365 75	12
Rag engineers	6	300	2 03	609 00	10.7
Rag engineers' helpers.....	8	294	1 46	429 24	11.5
Re-winder hands (boys).....	2	311	1 25	338 75	12
Rotary tenders	13	276	1 35	372 60	10
Ruler	1	313	3 00	939 00	9
Tablet department hands.....	27	311	1 45	450 95	10
Teamsters	20	299	1 38	412 62	10
Washermen	2	275	1 33	365 75	12
Watchmen	3	313	1 50	469 50	12
Weigher	1	149	2 00	298 00	10

TINWARE, SHEET IRON AND GALVANIZED IRONWARE—8 ESTABLISHMENTS.

Can makers	10	306	\$1 00	\$306 00	10
Carpenters	3	287	1 83	525 21	10
Catcher	1	240	1 25	300 00	10
Coopers	5	240	1 48	355 20	10
Cutters	2	240	1 45	348 00	10
Die setter	1	240	2 00	480 00	10
Double seamers	2	240	1 70	408 00	10
Drayman	1	310	1 40	434 00	10
Engineer	1	240	1 67	400 80	10
Feeder	1	240	1 50	360 00	10
Filer	1	240	2 00	480 00	10
Fireman	1	240	1 75	420 00	10
Floaters	2	240	1 57	376 80	10
Folder	1	240	1 65	396 00	10
Foremen	5	240	2 75	660 00	10
Former	1	240	1 65	396 00	10
Hanger makers	7	300	1 00	300 00	9
Helpers	12	240	72	172 80	10
Laborers	28	291	1 39	404 49	10
Machine hands	2	240	1 63	391 20	10
Machinists	6	240	2 59	652 68	10
Mailing machine hands.....	4	240	1 57	376 80	10
Packer	1	240	1 50	360 00	10
Planer	1	240	1 50	360 00	10
Pressmen	11	246	1 49	366 54	10
Sawyers	4	240	1 50	360 00	10
Sheet metal workers.....	14	275	2 00	550 00	10
Shippers	3	240	1 75	420 00	10
Solderers	3	240	1 60	384 00	10
Sorter	1	240	1 65	396 00	10
Sweezer	1	240	1 75	420 00	10
Testers	7	240	1 40	336 00	10
Tinners	26	279	1 37	382 23	10
Transferer	1	240	1 00	240 00	10
Turner	1	240	1 50	360 00	10
Watchman	1	240	1 43	343 20	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.
TOOLS — 6 ESTABLISHMENTS.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Blacksmiths	7	229	\$2 56	\$586 24	10
Boiler makers	6	216	2 15	464 40	10
Die sinkers	4	305	1 82	555 10	10
Engineer	1	305	1 60	488 00	10
Fitters-up	22	305	1 88	573 40	10
Foundry men	16	122	1 57	191 54	10
Hame makers	35	290	1 25	362 50	10
Hammermen	9	305	1 93	588 65	10
Laborers	6	183	1 14	208 62	10
Machinists	197	184	1 45	266 80	10
Moulder	1	310	2 50	775 00	10
Polishers	31	305	1 66	506 30	10
Temperers	2	305	2 13	649 65	10
Tool makers	15	250	1 75	437 50	10
Watchman	1	305	1 00	305 00	10
Wood workers	2	305	1 75	533 75	10

WHIPS — 3 ESTABLISHMENTS.

Finishers	12	276	\$1 00	\$276 00	10
Stock makers	10	276	1 50	414 00	10
Whip makers	47	288	1 44	414 72	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS — 2 ESTABLISHMENTS.

Engineers	13	225	\$2 00	\$450 00	11.5
Laborers	22	300	1 20	360 00	10
Machinists	10	225	2 75	618 75	11
Nail mill hands.....	15	225	2 00	450 00	11
Rod mill hands.....	45	225	2 50	562 50	10.5
Wire mill hands.....	135	225	2 50	562 50	11

MISCELLANEOUS — 34 ESTABLISHMENTS.

Assemblers	10	250	\$2 00	\$500 00	10
Boat makers	2	150	1 50	375 00	9
Brass workers	8	300	2 50	750 00	10
Breaker guiders	8	70	1 33	93 10	10
Builders	3	150	1 35	202 50	10
Butchers and helpers.....	20	310	1 41	437 10	10.5
Calkers	5	184	2 25	414 00	10
Candle chargers	12	269	1 25	336 25	9.2
Cadders	14	323	1 65	532 95	9.7
Carpenters	24	226	2 09	472 34	10
Case rollers	8	269	1 55	416 75	9.2
Casket coverers	5	306	1 50	459 00	10
Cheese maker	1	365	1 34	489 10	8
Chippers	2	300	1 00	300 00	10
Coffee roasters	2	34	1 85	62 90	10
Crater	1	150	1 75	262 50	10
Cupola men	2	300	1 25	375 00	10
Cutters	4	300	2 00	600 00	10
Drivers	5	313	1 47	460 11	10
Dryers	10	300	1 60	430 00	10
Dryers	2	300	1 25	375 00	10
Enamelers	10	70	1 33	93 10	10
End watchers	15	277	2 05	567 85	10.3
Engineers	13	271	1 48	401 08	9.7
Finishers	2	323	1 93	623 39	9.7
Firemen	16	344	1 85	636 40	9.8
Foremen	22	300	1 25	375 00	10
Handle makers	421	281	1 18	331 58	9.8
Laborers	12	323	1 54	497 42	9.7
Lapper hands	1	300	1 75	525 00	10
Lead burner	1	210	1 50	315 00	10
Machine hand	1	210	1 50	315 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.

MISCELLANEOUS — Concluded.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Machinists	17	277	\$2 20	\$626 02	9.7
Mattress makers	22	323	1 80	581 40	9.7
Millwrights	2	185	1 85	347 80	10
Mixers	3	279	1 53	426 87	9.5
Mounters	3	300	1 50	450 00	10
Operator	1	184	2 25	414 00	10
Packers	16	230	1 34	308 20	9.8
Painters	8	275	1 91	525 25	10
Polishers	2	300	1 50	450 00	10
Press hand	1	210	1 25	262 50	10
Pumper	1	150	1 25	187 50	10
Quarrymen	2	297	1 75	519 75	10
Refiners	7	266	1 46	379 60	8
Rocket chargers	5	269	1 50	403 50	9.2
Sawyer	1	250	1 00	250 00	10
Shippers	2	300	1 50	450 00	10
Solderers	3	150	1 60	250 00	10
Spinners	2	70	1 25	87 50	10
Spreader guiders	10	70	83	58 10	10
Star makers	4	269	1 50	403 50	9.2
Stirrup makers	4	275	1 25	343 75	10
Stuffers	75	300	1 25	375 00	10
Surface winders	2	300	1 50	450 00	10
Upholsterer	1	250	2 75	687 50	10
Washers	8	300	1 68	504 00	10
Watchmen	6	286	1 38	394 68	12.2
Wood workers	4	306	1 75	535 50	10

TABLE IVg —MANUFACTURES — TOWNS AND VILLAGES — Continued.
ADVERTISING NOVELTIES — 3 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Forewomen	4	209	\$1 15	\$460 00	10
Laborers	162	232	71	164 72	10
Press feeders	8	209	67	140 03	10

BASKETS — 6 ESTABLISHMENTS.

Basket makers	55	206	\$0 84	\$173 04	9.3
Braiders	3	280	95	266 00	9.5
Machine operators	10	300	1 25	375 00	10
Packers	8	300	80	240 00	10
Sorters	8	300	75	225 00	10
Lackers	5	300	90	270 00	10

BOOTS AND SHOES — 3 ESTABLISHMENTS.

Cutters	6	256	\$0 40	\$102 40	9
Fitters	45	233	50	116 50	9
Shoe makers	2	244	70	170 80	9

BOXES (WOODEN) — 4 ESTABLISHMENTS.

Book binders	5	300	\$0 95	\$285 00	9
Box makers	13	300	1 00	300 00	9
Packers	9	300	90	270 00	9
Trimmers	12	250	75	187 50	9
Wax workers	2	300	85	255 00	9

BROOMS AND BRUSHES — 3 ESTABLISHMENTS.

Broom makers	3	300	\$0 75	\$225 00	10
Helpers	5	275	1 00	275 00	10
Sorters	2	200	75	150 00	10

CANNED GOODS — 17 ESTABLISHMENTS.

Can makers	6	300	\$0 80	\$240 00	10
Canners	40	16	71	28 36	10
Fillers	6	36	97	34 92	9.7
Helpers	5	58	1 00	58 00	10
Labelers	20	32	73	24 00	10
Laborers	55	140	73	102 20	10
Packers	20	14	75	10 50	9
Peelers	275	48	78	37 44	9.5
Silkers	19	20	90	18 00	10
Sorters	61	32	49	15 68	8
Wipers	6	30	1 00	30 00	10

CARRIAGES AND WAGONS — 7 ESTABLISHMENTS.

Trimmers	30	261	\$0 74	\$193 14	10
Upholsterers	4	225	80	180 00	10
Winders	6	225	80	180 00	10

CARRIAGE AND WAGON MATERIALS — 4 ESTABLISHMENTS.

Machine workers	24	285	\$0 69	\$196 65	10
Laborers	4	287	75	215 25	9
Leather workers	16	308	1 00	308 00	10
Pasters	3	290	50	145 00	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Continued.

CIGARS — 13 ESTABLISHMENTS.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bunch breakers	21	271	\$0 95	\$257 45	8.3
Cigar makers	49	293	58	169 94	7.4
Packers	6	273	61	169 58	9
Rollers	27	265	92	243 80	9
Stemmers	18	267	57	152 19	9
Stogie makers	2	290	1 00	290 00	10
Strippers	21	271	44	119 24	9

CLOTHING — 5 ESTABLISHMENTS.

Garment makers	23	300	\$1 40	\$420 00	9
Machine hands	51	290	72	208 80	8.8
Pant makers	21	300	45	135 00	9
Tailoresses	10	300	83	249 00	10
Vest makers	2	250	1 00	250 00	10

COTTON AND WOOLEN GOODS (KNIT AND WOVEN) — 10 ESTABLISHMENTS.

Burlers	2	235	\$0 50	\$117 50	10
Carders	5	275	60	165 00	10
Drawers-in	2	308	50	154 00	10
Finishers	21	295	53	171 10	10
Glove makers	50	275	65	158 75	9
Hand sewers	6	300	89	267 00	10
Machine hands	77	287	97	278 39	10
Spoolers	64	288	53	152 64	10
Warper	1	235	70	164 50	10
Weavers	71	277	68	168 36	10

DRUGS AND CHEMICALS — 3 ESTABLISHMENTS.

Labeller	1	352	\$1 00	\$352 00	8
Laborers	35	313	63	212 84	9

ELECTRICAL GOODS — 3 ESTABLISHMENTS.

Helpers	83	267	\$0 87	\$232 29	10
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FOUNDRY AND MACHINE SHOP PRODUCTS — 1 ESTABLISHMENT.

Assemblers	4	123	\$0 75	\$92 25	10
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FURNITURE — 7 ESTABLISHMENTS.

Chair makers	40	167	\$0 63	\$105 21	10
Packers	4	299	75	224 25	10

GLOVES AND MITTENS — 2 ESTABLISHMENTS.

Machine operators	52	267	\$0 69	\$184 23	10
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HARDWARE — 1 ESTABLISHMENT.

Laborers	2	300	\$0 70	\$210 00	10
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HARNESS — 1 ESTABLISHMENT.

Machine hands	18	300	\$0 75	\$225 00	10
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TABLE IVg —MANUFACTURES — TOWNS AND VILLAGES — Continued.
LIME, SAND, CEMENT AND PLASTER — 1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Plaster maker	1	275	\$1 25	\$343 75	10

MATCHES — 3 ESTABLISHMENTS.

Box makers	113	266	\$0 96	\$255 36	10
Match makers	26	266	1 04	276 64	10
Packers	80	283	92	260 36	10

PAINTS AND VARNISHES — 1 ESTABLISHMENT.

Labellers	5	308	\$1 00	\$308 00	10
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PRINTING AND BINDING — 10 ESTABLISHMENTS.

Apprentices	2	310	\$0 42	\$130 20	9.5
Compositors	21	308	72	221 76	10
Laborers	4	306	75	229 50	9
Press feeders	2	306	75	229 50	9
Sewer	1	220	50	110 00	9

RUBBER GOODS — 2 ESTABLISHMENTS.

Inspectors	10	309	\$0 95	\$293 55	10
Rubber workers	21	295	1 00	295 00	10

SALT — 2 ESTABLISHMENTS.

Packers	10	306	\$1 00	\$306 00	8
Pasters	7	365	1 20	438 00	10
Sewers	20	365	1 20	438 00	10

SASH, DOORS, LUMBER AND INTERIOR FINISH — 1 ESTABLISHMENT.

Brush department hands	8	300	\$0 60	\$180 00	10
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STEEL, IRON AND TIN — 4 ESTABLISHMENTS.

Assorters	31	251	\$1 15	\$288 65	10
Openers	23	251	1 39	348 89	10

STRAWBOARDS AND PAPER — 12 ESTABLISHMENTS.

Counter	1	303	\$0 83	\$251 49	10
Cutter tenders	6	136	50	63 00	10
Envelope makers	51	300	96	288 00	10
Finishers	54	312	1 10	343 20	9
Helpers	12	275	75	206 25	9
Lay-off hands	2	303	1 00	303 00	12
Mill hands	121	311	84	261 24	10
Sorters	84	312	76	237 12	8

TINWARE, SHEET IRON AND GALVANIZED IRONWARE — 1 ESTABLISHMENT.

Coaters	2	240	\$0 75	\$180 00	10
Foot press hands	2	240	75	180 00	10
Former	1	240	75	180 00	10
Helpers	5	240	55	132 00	10
Machine hands	2	240	62	148 80	10
Polishers	2	240	50	120 00	10
Press women	6	240	1 00	240 00	10
Sap spout maker	1	240	1 20	288 00	10
Solderers	6	240	88	211 20	10

TABLE IVg — MANUFACTURES — TOWNS AND VILLAGES — Concluded.
TOOLS — 1 ESTABLISHMENT.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Wood workers	2	305	\$1 00	\$305 00	8

WHIPS — 3 ESTABLISHMENTS.

Finishers	12	276	\$0 75	\$207 00	10
Whip makers	45	287	67	192 29	10

WIRE RODS, WIRE CLOTH AND WIRE GOODS — 1 ESTABLISHMENT.

Nail mill hand	1	225	\$1 00	\$225 00	9.5
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MISCELLANEOUS — 15 ESTABLISHMENTS.

Baller operators	7	70	\$1 33	\$93 10	10
Brush makers	3	216	85	183 60	10
Case rollers	10	269	75	201 75	9.2
Counters	5	300	1 00	300 00	10
Cutters	8	300	79	237 00	10
Finishers	30	269	67	130 23	9.2
Laborers	9	302	73	220 46	10
Machine operators	184	299	77	230 23	10
Packers	16	206	87	179 22	8.3
Robe and lining makers	2	306	1 00	306 00	10
Spinner operators	9	70	1 25	87 50	10
Tick cutters	13	323	1 00	323 00	9.6
Wrappers	4	254	75	190 56	8.5

TABLE IVgg—MANUFACTURES—TOWNS AND VILLAGES

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Advertising novelties and signs.....	Engineer	1	10	.....
“	Machine hands	7	10	.....
“	Varnishers	2	25	.....
Agricultural implements	Machinists	2	10	.....
“	Moulders	6	25	.....
“	Setter-up	1	17.5	.....
Baskets	Basket makers	80	10	.....
“	Cutter	1	14	.....
“	Engineer	1	14	.....
“	Firemen	2	13	.....
“	Helpers	3	8	.....
“	Watchmen	2	6.5	.....
Billiard tables, bar and store fixtures..	Cabinet makers	6	10	.....
“	Finishers	4	10	.....
“	Machine hands	5	10	.....
Boilers, engines and tanks.....	Blacksmiths	5	8.8	.....
“	Boiler makers	47	10.6	.....
“	Boiler makers' helpers.....	103	11	.....
“	Calkers	2	10	.....
“	Engineer	1	10	.....
“	Fitter-up	1	10	.....
“	Flange turner	1	10	.....
“	Heater	6	10	.....
“	Laborers	23	10	.....
“	Machinists	41	10	.....
“	Machinists' helpers	2	11	.....
“	Moulders	21	10.6	.....
“	Moulders' helpers	25	11	.....
Boots and shoes.....	Bottomers	15	.....	15
“	Cutter	1	10	.....
Boxes (wooden)	Box makers	13	25	.....
Brooms and brushes.....	Broom makers	14	25	.....
Canned goods	Can makers	10	20	.....
“	Engineer	1	20	.....
“	Engineer	1	.....	20
“	Teamsters	2	20	.....
Clothing	Garment makers	23	10	.....
Cooperage	Belter	1	33	.....
“	Bolt loader	1	16.6	.....
“	Coopers	435	6.2	.....
“	Finishers	11	1	.....
“	Fireman	1	6	.....
“	Lapper boys	2	33	.....
“	Off-bearers	2	20	.....
“	Packer	1	10	.....
“	Planer boys	2	33	.....
“	Plank pullers	2	15	.....
“	Sawyers	5	9.2	.....
“	Shavers	9	4	.....
“	Teamsters	2	9.2	.....
“	Truck man	1	16.6	.....
Cotton and wool goods (knit & wov'n)	Filler	1	10	.....
“	Pickers	14	15	.....
“	Picker	1	.....	15
“	Shipper	1	16.6	.....
“	Spinners	2	5	.....
Drugs, chemicals and druggists' sund's	Laborers	21	5	.....
Electrical goods and supplies.....	Laborers	22	20	.....
Flouring mill products.....	Engineers	8	11.6	.....
“	Helpers	3	13.3	.....
“	Laborers	16	5	.....
“	Millers	7	7.8	.....
“	Teamsters	4	8.7	.....
Foundry and machine shop products..	Blacksmiths	18	11	.....
“	Blacksmiths' helpers	3	10	.....
“	Car builders	4	10	.....
“	Carpenters	12	5.8	.....
“	Core makers	3	10	.....
“	Engineer	1	10	.....
“	Foundry hands	35	10	.....
“	Foundry hands	43	.....	2
“	Iron workers	6	.....	2
“	Laborers	40	12	.....

TABLE IV_{gg} — MANUFACTURES — TOWNS AND VILLAGES — Continued.

Table by industries, Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Foundry and machine shop products..	Machine hands	24	11	.....
"	Machine hands	182	.....	1
"	Machinists	7	8	.....
"	Machinists	41	.....	2
"	Moulders	6	19	.....
"	Moulders	50	.....	1
"	Pattern makers	8	10	.....
"	Plate workers	4	10	.....
"	Pressmen	5	5	.....
Furniture	Assemblers	3	16	.....
"	Cabinet makers	13	6.4	.....
"	Chair makers	110	10	.....
"	Cupola tender	1	28	.....
"	Finishers	6	10.6	.....
"	Furniture woorkers	75	8	.....
"	Laborers	9	11	.....
"	Machine hands	27	8.7	.....
"	Machinists	4	25	.....
"	Moulders	6	28	.....
"	Packers	2	22	.....
"	Varnishers	4	5	.....
"	Wood workers	2	5	.....
Hardware	Laborers	25	10	.....
"	Moulders and helpers..	100	10	.....
"	Painters and helpers..	20	10	.....
Harness	Mill hands	20	10	.....
"	Yard hands	10	10	.....
Leather	Tanners	7	5	.....
Lime, sand, cement and plaster.....	Calciners	2	5	.....
"	Engineers	3	5	.....
"	Laborers	54	5	.....
"	Millers	2	5	.....
"	Miners	15	5	.....
"	Plaster makers	6	10	.....
"	Shovellers	31	10	.....
"	Teamsters	41	10	.....
Machinery	Apprentices	2	10	.....
"	Blacksmiths	2	11.2	.....
"	Blacksmiths' apprentice ..	1	12.5	.....
"	Carpenters	5	7.8	.....
"	Core maker	1	12	.....
"	Cupola tender	1	10	.....
"	Draughtsmen	3	25	.....
"	Firemen	2	16	.....
"	Floor men	3	10	.....
"	Foundry hands	24	9	.....
"	Laborers	30	9.5	.....
"	Machine hands	69	10.6	.....
"	Machinists	199	9.5	.....
"	Machinists' apprentices ..	6	11.3	.....
"	Machinists' helpers	70	5	.....
"	Moulders	70	11.4	.....
"	Moulders' apprentices ..	4	11	.....
"	Moulders' helpers	50	10	.....
"	Painters	6	12.5	.....
"	Wood workers	3	12.5	.....
Matches	Fillers	10	10	.....
Paints and varnishes..	Engineer	1	12.5	.....
"	Laborers	10	10	.....
"	Mixers	4	20	.....
"	Shipping clerk	1	5	.....
Pianos and other musical instruments..	Case makers	2	15	.....
"	Engineer	1	10	.....
"	Finishers	6	5	.....
"	Machine hands	3	10	.....
"	Stringer	1	10	.....
"	Veneers	2	10	.....
Printing and binding.....	Compositors	11	15.6	.....
"	Pressmen	3	15	.....
Salt	Coopers	10	10	.....
"	Engineers	5	12.5	.....
"	Loaders	4	10	.....
"	Oilers	3	10	.....

TABLE IV_{gg} — MANUFACTURES — TOWNS AND VILLAGES — Continued.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Salt	Packers	5	20	.....
"	Steam fitters	2	10	.....
"	Wheelers	7	8	.....
Sash, doors, lumber and interior finish	Apprentice	1	17	.....
"	Bench hands	12	10	.....
"	Cabinet makers	28	10	.....
"	Carpenters	3	15	.....
"	Carver	1	10	.....
"	Engineers	2	10	.....
"	Finishers	4	10	.....
"	Fireman	1	10	.....
"	Foreman	1	10	.....
"	Laborers	74	10.3	.....
"	Lumber workers	12	5	.....
"	Machine hands	35	9.2	.....
"	Mill hands	11	11.3	.....
"	Sawyers	3	8.3	.....
"	Teamsters	10	9.5	.....
"	Teamster	1	.....	11
"	Tinners	2	10	.....
"	Watchman	1	10	.....
Steel, iron and tin.....	Blacksmiths	2	5.6	.....
"	Carpenter	1	14	.....
"	Cart driver	1	7.3	.....
"	Car trimmer	1	5.9	.....
"	Catchers	73	2.5	.....
"	Chemists	3	13	.....
"	Cinder men	15	5	.....
"	Cinder sweepers	13	2.5	.....
"	Doublers	73	2.5	.....
"	Dust catcher men.....	2	3.3	.....
"	Engineers	8	5.4	.....
"	Fillers	74	4.7	.....
"	Firemen	6	4.5	.....
"	Firemen's helpers	2	2.5	.....
"	Foremen	2	7	.....
"	Heaters	73	2.5	.....
"	Helpers	2	5	.....
"	Hot blast men.....	2	5.2	.....
"	Iron carriers	32	3.5	.....
"	Iron graders	20	1.6	.....
"	Keepers	6	6.6	.....
"	Keepers' helpers	6	5.2	.....
"	Laborers	155	5	.....
"	Machine men	4	6	.....
"	Oilers	2	2.5	.....
"	Rollers	73	2.5	.....
"	Scrap men	2	5.7	.....
"	Srew boys	73	2.5	.....
"	Shearmen	23	2.5	.....
"	Stove tenders	2	2.6	.....
"	Water tenders	2	8	.....
"	Weighmen	2	5.2	.....
"	Wheelers	2	15.7	.....
Stone (cut, sawed and artificial).	Engineers	4	10	.....
"	Laborers	120	7.5	.....
"	Quarrymen	5	10	.....
Stoves, ranges and furnaces.....	Blacksmith	1	14	.....
"	Boiler makers	2	14	.....
"	Carpenters	2	14	.....
"	Moulders	3	10	.....
"	Mounters	2	14	.....
"	Sheet metal workers.....	3	14	.....
Tinware, sheet iron and galv. ironware	Laborers	5	12	.....
"	Machinists	2	12	.....
"	Sheet metal workers.....	14	12	.....
"	Tinners	5	12	.....
Tools	Blacksmiths	4	5	.....
"	Boiler makers	3	9.3	.....
"	Die sinkers	4	.....	10
"	Engineer	1	6	.....
"	Fitters-up	22	30	.....
"	Hame makers	35	10	.....

TABLE IV_{gg} — MANUFACTURES — TOWNS AND VILLAGES — Continued.Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Tools	Hammermen	9	14	.....
"	Machinists	4	.....	19.5
"	Machinists	4	5	.....
"	Moulder	1	6.6	.....
"	Polishers	31	12	.....
"	Temperers	2	2	.....
Whips	Whip makers	33	5	.....
Miscellaneous	Assemblers	10	10	.....
"	Carders	14	12.5	.....
"	Carpenters	4	10	.....
"	Engineer	1	10	.....
"	Firemen	2	15	.....
"	Foremen	11	10	.....
"	Laborers	151	6.3	.....
"	Lapper hands	12	12.5	.....
"	Machinists	11	10	.....
"	Painters	3	10	.....
"	Upholsterer	1	10	.....
"	Watchman	1	10	.....
Totals and averages.....	.....	3,928	8.3	.....
	.....	348	.....	1.6

TABLE IVgg — MANUFACTURES — TOWNS AND VILLAGES — Concluded.

Table by industries, Showing the Number in Each Occupation Affected
by a Change in Wages for the Year 1901.

Industries.	Occupation — Female.	Number of Employees.	Advanced per cent.	Reduced per cent.
Baskets	Basket makers	20	10	.....
Boots and shoes.....	Fitters	45	9.5	.....
Brooms and brushes.....	Broom makers	3	10	.....
Canned goods	Filler	1	20	.....
“	Solderer	1	20	.....
Carriages and wagons.....	Blacksmiths	11	11	.....
“	Blacksmiths' helpers	6	10	.....
“	Craters	3	10	.....
“	Engineers	2	20	.....
“	Painters	13	7	.....
“	Painters' helpers	6	10	.....
“	Setters-up	3	10	.....
“	Teamster	1	20	.....
“	Tinners	5	4	.....
“	Tinners' helpers	4	10	.....
“	Wood worker	1	10	.....
“	Wood worker's helpers.....	2	10	.....
Carriage and wagon materials.....	Wheel makers	162	3.7	.....
Cigars	Rollers	8	10	.....
Cotton and wool goods (knit & wov'n)	Spoolers and twisters.....	53	8	.....
Drugs, chemicals and druggists' sund's	Laborers	29	8.8	.....
Lime, sand, cement and plaster.....	Plaster maker	1	10	.....
Machinery	Helpers	6	6.5	.....
Printing and binding.....	Compositors	9	11.6	.....
Miscellaneous	Tick cutters	13	10	.....
Total and average.....	.....	414	7	.....

MANUFACTURES.

RECAPITULATION.

In the following tables, it is the intention of the Bureau to reproduce the leading facts relative to the ten principal industries from which returns have been received, and, also, make comparisons between the years 1900 and 1901. The figures for 1900 are taken from the returns for that year as shown in the last report of this Bureau.

The following table gives the Amount of Capital Invested for the years 1900 and 1901, showing increase or decrease, and also giving the number of establishments reporting each year in each of the ten industries. In connection with this statement, it should be remembered that the increased number of establishment reporting does not necessarily imply that they are all new, but that it is the first time they have reported to this Bureau.

Industry.	Number establishments reporting.		Amount of capital invested.		Increase or decrease.	
	1900.	1901.	1900.	1901.	Increase.	Decrease.
Agricultural implements..	35	42	\$9,294,850	\$9,799,050	\$504,200	.....
Boots and shoes.....	47	58	4,978,169	6,477,079	1,498,910	.....
Carriages and wagons....	116	240	5,741,879	8,006,515	2,264,636	.....
Cigars	96	328	2,254,629	2,812,046	557,417	.....
Clothing	149	222	7,805,943	9,538,767	1,732,824	.....
Flouring mill products...	70	168	3,317,643	8,536,858	5,219,215	.....
Foundry, machine shop products and machinery	278	455	51,432,204	60,266,448	8,834,244	.....
Furniture	83	134	5,520,406	7,291,757	1,762,353	.....
Printing and binding.....	129	371	11,570,374	14,238,116	2,667,742	.....
Steel, iron and tin.....	*	72	.....	34,437,525	.....	.....

* Not reported for the year 1900.

The above table shows that Foundry, Machine Shop Products and Machinery has the largest amount of capital invested; namely, \$60,266,448, and Cigars the smallest; namely, \$2,812,046. This is true for both years. All the ten industries given have an increase over 1900. Foundry, Machine Shop Products and Machinery shows the largest increase, \$8,834,244; and Agricultural Implements the smallest, \$504,200. We cannot take into account Steel, Iron and Tin, because the Bureau did not make an investigation of this industry for the year 1900.

The following table relates to the Value of Good Manufactured.

Industry.	Number establishments reporting.		Value of goods manufactured.		Increase or decrease.	
	1900.	1901.	1900.	1901.	Increase.	Decrease.
Agricultural implements..	35	42	\$11,263,188 12	\$11,675,844 54	\$412,656 42	.....
Boots and shoes.....	47	58	14,519,409 93	19,350,044 58	4,830,634 65	.....
Carriages and wagons....	116	240	11,768,041 93	16,653,862 39	4,885,820 46	.....
Cigars	96	328	6,071,097 24	8,228,596 23	2,157,497 99	.....
Clothing	149	222	17,290,144 36	22,855,723 85	5,565,579 49	.....
Flouring mill products...	70	168	10,953,501 92	24,325,940 58	13,372,438 66	.....
Foundry, machine shop products and machinery	278	455	56,152,585 64	75,839,292 26	19,686,706 62	.....
Furniture	83	134	6,576,190 18	8,654,974 69	2,078,784 51	.....
Printing and binding....	129	371	7,737,635 07	11,014,035 74	3,276,400 67	.....
Steel, iron and tin.....	*	72	.....	83,649,999 00	.....	.....

* Not reported for the year 1900.

Steel, Iron and Tin shows the largest value of goods manufactured for the year 1901; and Cigars the smallest. All the nine industries give an increase over the year 1900. Of the industries reported for both years, Foundry, Machine Shop Products and Machinery shows the largest increase; namely, \$19,686,706.62, and Flouring Mill Products, the next largest.

The following table relates to the Value of Materials Used.

Industry.	Number establishments reporting.		Value of materials used.		Increase or decrease.	
	1900.	1901.	1900.	1901.	Increase.	Decrease.
Agricultural implements..	35	42	\$4,330,327 60	\$5,467,231 90	\$1,136,904 30	.....
Boots and shoes.....	47	58	8,419,807 89	11,584,157 98	3,164,350 09	.....
Carriages and wagons....	116	240	6,907,802 06	8,186,712 08	1,278,910 02	.....
Cigars	96	328	2,700,686 24	3,209,051 92	508,365 68	.....
Clothing	149	222	9,983,765 09	13,196,574 28	3,212,809 19	.....
Flouring mill products...	70	168	9,641,505 79	20,717,881 41	11,076,375 62	.....
Foundry, machine shop products and machinery	278	455	23,905,976 64	31,605,450 13	7,699,473 49	.....
Furniture	83	134	2,739,411 16	3,658,454 40	919,043 24	.....
Printing and binding....	129	371	3,327,347 13	4,351,423 71	1,024,076 58	.....
Steel, iron and tin.....	*	72	.....	22,963,096 29	.....	.....

* Not reported for the year 1900.

This table is closely allied with the former one. It necessarily follows that the industry which produces the largest amount of manufactured goods must use the largest amount of raw materials. We did not receive complete answers to this question for the Steel, Iron and Tin industry, therefore the figure given in the above table for this industry is not accurate. It should be much larger.

The following table shows the Number of Persons Employed.

Industry.	Number establishments reporting.		Total number persons employed.		Increase or decrease.	
	1900.	1901.	1900.	1901.	Increase.	Decrease.
Agricultural implements..	35	42	4,566	5,280	714	.....
Boots and shoes.....	47	58	10,133	13,023	2 890	.....
Carriages and wagons....	116	240	5,762	7,371	1,609	.....
Cigars	96	328	5,218	6,800	1,582	.....
Clothing	149	222	7,442	11,180	3,738	.....
Flouring mill products...	70	168	817	2,459	1,642	.....
Foundry, machine shop products and machinery	278	455	34,123	42,871	8,748	.....
Furniture	83	134	4,590	6,264	1,674	.....
Printing and binding....	129	371	5,745	8,129	2,384	.....
Steel, iron and tin.....	*	72	.....	30,940	.....	.....

* Not reported for the year 1900.

The above figures include both sexes. The proportion of females is very small in all the above industries, except the following: Boots and Shoes, which has 7,695 male employees and 5,328 female employees; Clothing, which has 3,834 male employees and 7,346 female employees; Cigars, which has 2,664 male employees and 4,136 female employees; and Printing and Binding, which has 5,529 male employees and 2,600 female employees.

The following table shows the Amount Paid in Wages for Labor.

Industry.	Number establishments reporting.		Amount paid in wages for labor.		Increase or decrease.	
	1900.	1901.	1900.	1901.	Increase.	Decrease.
Agricultural implements..	35	42	\$2,261,667 05	\$2,723,913 32	\$462,246 27	.....
Boots and shoes.....	47	58	3,328,207 03	4,201,288 58	873,081 55	.....
Carriages and wagons....	116	240	2,494,060 71	3,861,543 74	1,367,483 03	.....
Cigars	96	328	1,464,676 84	2,086,675 04	621,998 20	.....
Clothing	149	222	3,683,881 57	4,838,190 74	1,154,309 17	.....
Flouring mill products...	70	168	417,826 89	1,070,261 22	652,434 83	.....
Foundry, machine shop products and machinery	278	455	17,076,534 14	21,996,059 83	4,919,525 69	.....
Furniture	83	134	1,859,288 45	2,403,207 28	543,918 83	.....
Printing and binding....	129	371	2,535,314 64	3,664,335 58	1,129,020 94	.....
Steel, iron and tin.....	*	72	.....	19,681,962 60	.....	.....

* Not reported for the year 1900.

These figures only represent the Amount Paid for Labor, and do not include that which is paid for salaries and office help. All the industries, which are subject to comparison, show an increase.

The following table shows the Average Yearly Earnings per employee.

Industry.	Number establishments reporting.		Average yearly earnings per employee.		Increase or decrease.	
	1900.	1901.	1900.	1901.	Increase.	Decrease.
Agricultural implements..	35	42	\$493 13	\$515 89	\$22 76	.....
Boots and shoes.....	47	58	328 45	322 61	.....	\$5 84
Carriages and wagons....	116	240	432 89	523 88	90 99	.....
Cigars	96	328	280 70	306 86	26 16	.....
Clothing	149	222	495 01	432 76	.....	62 25
Flouring mill products...	70	168	511 42	435 25	.....	76 17
Foundry, machine shop products and machinery	278	455	500 44	513 08	12 64	.....
Furniture	83	134	405 07	383 65	.....	21 42
Printing and binding....	129	371	441 31	450 77	9 46	.....
Steel, iron and tin.....	*	72	.....	636 13	.....	.....

* Not reported for the year 1900.

These averages are ascertained without discrimination as to the sexes. The amount paid in wages in each industry is divided by the number of persons employed and the result is the above averages. The table shows that the largest average yearly earnings paid in 1900 were in Flouring-mill Products; the lowest, in Cigars. In 1901, Steel, Iron and Tin shows the largest; namely, \$636.13. In this industry, we can make no comparisons with the year 1900. The above table further shows that there are increases in five industries and decreases in four.

In order to ascertain the real industrial situation in the State for the year 1901, we present the following tables:

Classification.	Number establishments reporting.	Value of goods manufactured.	Value of materials used.	Gross receipts.	Amount paid in wages and salaries.	Balance for other expenses and profits.
Cincinnati	1,122	\$116,565,455 39	\$64,959,212 45	\$51,606,242 94	\$29,656,877 25	\$21,949,365 69
Cleveland	752	101,884,576 99	43,412,684 36	58,471,892 63	33,451,294 08	25,020,598 55
Columbus	238	27,416,074 55	11,956,427 24	15,459,647 31	7,209,863 46	8,249,783 85
Toledo	253	27,843,964 40	14,057,134 13	13,786,830 27	6,227,179 62	7,559,650 65
Dayton	229	29,225,427 49	13,899,893 25	15,325,534 24	8,575,187 19	6,750,347 05
Cities	1,505	182,787,761 94	89,885,189 30	92,902,572 64	45,623,378 90	47,279,193 74
Towns and villages	631	56,551,487 46	25,296,686 68	31,254,800 78	14,266,543 65	16,988,257 13
Totals	4,730	\$542,274,748 22	\$263,467,227 41	\$278,807,520 81	\$145,010,324 15	\$133,797,196 66

In this table we take the five large cities, the smaller cities and the towns and villages, the totals of which make full returns for the State. The first two columns show respectively the value of goods manufactured and the value of materials used. The difference between the value of goods manufactured and the materials used is the gross receipts, which appear in the third column. After deducting the amount paid for wages and salaries from the gross receipts, the balance for other expenses and profits is determined. This is shown in the last column. The "other expenses" are, namely, insurance, freight, rent, interest in loans, etc. The remainder, if any, is the profit.

The following table is similar to the foregoing, except that it deals with the ten leading industries making returns, for the year 1901.

Industry.	Number establishments reporting.	Value of goods manufactured.	Value of materials used.	Gross receipts.	Amount paid in wages and salaries.	Balance for other expenses and profits.
Agricultural implements	42	\$11,675,844 54	\$5,467,231 90	\$6,208,612 64	\$3,500,310 56	\$2,708,302 08
Boots and shoes.....	58	19,350,044 58	11,584,157 98	7,765,886 60	5,255,522 06	2,510,364 54
Carriages and wagons..	240	16,653,862 39	8,186,712 08	8,467,150 31	4,652,271 98	3,814,878 33
Cigars	328	8,228,595 23	3,209,051 92	5,019,543 31	2,474,679 68	2,544,863 63
Clothing	222	22,855,723 85	13,196,574 28	9,659,149 57	6,293,121 26	3,366,028 31
Flouring mill products.	168	24,325,940 58	20,717,881 41	3,608,059 17	1,406,110 38	2,201,948 79
Foundry, machine shop products & machinery	455	75,839,292 26	31,605,450 13	44,233,842 13	26,298,526 27	17,935,315 86
Furniture	134	8,654,974 69	3,658,454 40	4,996,520 29	3,009,856 84	1,986,663 45
Printing and binding...	371	11,014,035 74	4,351,423 71	6,662,612 03	4,720,572 10	1,942,039 93
Steel, iron and tin.....	72	83,649,999 00	22,963,096 29*	60,686,902 71	21,169,027 44	39,517,875 27

* Bureau did not receive complete answers for this question.

The following table shows the percentage of the gross receipts paid in wages and salaries, and the percentage devoted to other expenses and profits, for the years 1900 and 1901.

Industry.	Number of establishments reporting.		Percentage of gross receipts paid in wages and salaries.		Percentage of industry production devoted to other expenses and profit.	
	1900.	1901.	1900.	1901.	1900.	1901.
Agricultural implements	85	42	43	56.4	57	43.6
Boots and shoes.....	47	58	69.5	67.7	30.5	32.3
Carriages and wagons.....	116	240	64.1	54.9	35.9	45.1
Cigars	96	328	43.4	49.3	56.6	50.7
Clothing	149	222	65.3	63.1	34.7	36.9
Flouring mill products.....	70	168	46.4	38.9	53.6	61.1
Foundry, machine shop prod's and mach'y	278	455	66.5	59.5	33.5	40.5
Furniture	83	134	59.8	60.2	40.2	39.8
Printing and binding.....	129	371	75.9	70.8	24.1	29.2
Steel, iron and tin.....	*	72	.....	34.9	.....	65.1

* Not reported for the year 1900.

A larger percentage of the gross receipts were consumed in paying wages and salaries in all the above industries for the year 1900, except Agricultural Implements, Cigars and Flouring-mill Products, and all in 1901, except Cigars and Flouring-mill Products.

We now present a separate table for each of the ten principal industries reporting, also making comparisons between the years 1900 and 1901. These tables are prepared especially to show the prevailing conditions in each industry, that is, to show the gross receipts, and the amount paid in wages and salaries, and balance devoted to other expenses and profits, together with percentages.

AGRICULTURAL IMPLEMENTS.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishment reporting....	35	42	7	.....
Amount of capital invested.....	\$9,294,850 00	\$9,799,050 00	\$504,200 00	.....
Value of goods manufactured.....	11,263,188 12	11,675,844 54	412,656 42	.....
Value of materials used.....	4,330,327 60	5,467,231 90	1,136,904 30	.....
Gross receipts	6,932,860 32	6,208,612 64	.....	\$724,247 88
Amount paid in wages and salaries...	2,984,683 01	3,500,310 56	515,627 55	.....
Other expenses and profits.....	3,948,177 51	2,708,302 08	.....	1,239,875 43
Percentage of gross receipts paid in wages and salaries.....	43	56.4	13.4	.....
Percentage of gross receipts for other expenses and profits.....	57	43.6	.....	13.4

BOOTS AND SHOES.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	47	58	11	.....
Amount of capital invested.....	\$4,978,169 00	\$6,477,079 00	\$1,498,910 00	.....
Value of goods manufactured.....	14,519,409 93	19,350,044 58	4,830,634 65	.....
Value of materials used.....	8,419,807 89	11,584,157 98	3,164,350 09	.....
Gross receipts	6,099,602 04	7,765,886 60	1,666,284 56	.....
Amount paid in wages and salaries...	4,239,565 15	5,255,522 06	1,015,956 91	.....
Other expenses and profits.....	1,860,036 89	2,510,364 54	650,327 65	.....
Percentage of gross receipts paid in wages and salaries.....	69.5	67.7	.....	1.8
Percentage of gross receipts for other expenses and profits.....	30.5	32.3	1.8	.....

CARRIAGES AND WAGONS.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	116	240	124	
Amount of capital invested.....	\$5,741,879 00	\$8,006,515 00	\$2,264,636 00	
Value of goods manufactured.....	11,768,041 93	16,653,862 39	4,885,820 46	
Value of materials used.....	6,907,802 06	8,186,712 08	1,278,910 02	
Gross receipts	4,860,239 87	8,467,150 81	3,606,910 44	
Amount paid in wages and salaries...	3,114,088 47	4,652,271 98	1,538,183 51	
Other expenses and profits.....	1,746,151 40	3,814,878 33	2,068,726 93	
Percentage of gross receipts paid in wages and salaries.....	64.1	54.9		9.2
Percentage of gross receipts for other expenses and profits.....	35.9	45.1	9.2	

CIGARS.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	96	328	232	
Amount of capital invested.....	\$2,254,629 00	\$2,812,046 00	\$557,417 00	
Value of goods manufactured.....	6,071,097 24	8,228,595 23	2,157,497 99	
Value of materials used.....	2,700,686 24	3,209,051 92	508,365 68	
Gross receipts	3,370,411 00	5,019,543 31	1,649,132 31	
Amount paid in wages and salaries...	1,772,742 64	2,474,679 68	701,937 04	
Other expenses and profits.....	1,597,668 36	2,544,863 63	947,195 27	
Percentage of gross receipts paid in wages and salaries.....	51.1	49.3		1.8
Percentage of gross receipts for other expenses and profits.....	48.9	50.7	1.8	

CLOTHING.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	149	222	73	
Amount of capital invested.....	\$7,805,943 00	\$9,538,767 00	\$1,732,824 00	
Value of goods manufactured.....	17,290,144 36	22,855,723 85	5,565,579 49	
Value of materials used.....	9,983,765 09	13,196,574 28	3,212,809 19	
Gross receipts	7,306,379 27	9,659,149 57	2,352,770 30	
Amount paid in wages and salaries...	4,770,275 53	6,293,121 26	1,522,845 73	
Other expenses and profits.....	2,536,103 64	3,366,028 31	829,924 67	
Percentage of gross receipts paid in wages and salaries.....	65.3	63.1		2.2
Percentage of gross receipts for other expenses and profits.....	34.7	36.9	2.2	

FLOURING-MILL PRODUCTS.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	70	163	98	
Amount of capital invested.....	\$3,317,643 00	\$8,536,858 00	\$5,219,215 00	
Value of goods manufactured.....	10,953,501 92	24,325,940 53	13,372,438 66	
Value of materials used.....	9,641,505 79	20,717,881 41	11,076,375 62	
Gross receipts	1,311,996 13	3,608,059 17	2,296,063 04	
Amount paid in wages and salaries...	607,912 75	1,406,110 38	798,197 63	
Other expenses and profits.....	704,083 38	2,201,948 79	1,497,865 41	
Percentage of gross receipts paid in wages and salaries.....	46.4	38.9		7.5
Percentage of gross receipts for other expenses and profits.....	53.6	61.1	7.5	

FOUNDRY, MACHINE SHOP PRODUCTS AND MACHINERY.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	278	455	177	.....
Amount of capital invested.....	\$51,432,204 00	\$60,266,448 00	\$8,834,244 00	.....
Value of goods manufactured.....	56,152,585 64	75,839,292 26	19,686,706 62	.....
Value of materials used.....	23,905,976 64	31,605,450 13	7,699,473 49	.....
Gross receipts	32,246,609 00	44,233,842 13	11,987,233 13	.....
Amount paid in wages and salaries...	21,443,328 26	26,298,526 27	4,855,198 01	.....
Other expenses and profits.....	10,803,280 74	17,935,315 86	7,132,035 12	.....
Percentage of gross receipts paid in wages and salaries.....	66.5	59.5	.....	7
Percentage of gross receipts for other expenses and profits.....	33.5	40.5	7	.....

FURNITURE.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	83	134	51	.....
Amount of capital invested.....	\$5,529,406 00	\$7,291,757 00	\$1,762,351 00	.....
Value of goods manufactured.....	6,576,190 18	8,654,974 69	2,078,784 51	.....
Value of materials used.....	2,739,411 16	3,658,454 40	919,043 24	.....
Gross receipts	3,837,779 02	4,996,520 29	1,158,741 27	.....
Amount paid in wages and salaries...	2,295,120 05	3,009,856 84	714,736 79	.....
Other expenses and profits.....	1,542,658 97	1,986,663 45	444,004 48	.....
Percentage of gross receipts paid in wages and salaries.....	59.8	60.2	.4	.....
Percentage of gross receipts for other expenses and profits.....	40.2	39.8	.....	.4

PRINTING AND BINDING.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	129	371	242	.....
Amount of capital invested.....	\$11,570,374 00	\$14,238,116 00	\$2,667,742 00	.....
Value of goods manufactured.....	7,737,635 07	11,014,085 74	3,276,400 67	.....
Value of materials used.....	3,327,347 13	4,351,423 71	1,024,076 58	.....
Gross receipts	4,410,287 94	6,662,612 03	2,252,324 09	.....
Amount paid in wages and salaries...	3,348,337 32	4,720,572 10	1,372,234 78	.....
Other expenses and profits.....	1,061,950 62	1,942,039 93	880,089 31	.....
Percentage of gross receipts paid in wages and salaries.....	75.9	70.8	.....	5.1
Percentage of gross receipts for other expenses and profits.....	24.1	29.2	5.1	.....

STEEL, IRON AND TIN.

Classification.	1900.*	1901.	Increase.	Decrease.
Number of establishments reporting..	72	.....	.....
Amount of capital invested.....	\$34,437,525 00	.....	.....
Value of goods manufactured.....	83,649,999 00	.....	.....
Value of materials used.....	22,963,096 29	.....	.....
Gross receipts	60,686,902 71	.....	.....
Amount paid in wages and salaries...	21,169,027 44	.....	.....
Other expenses and profits.....	39,517,875 27	.....	.....
Percentage of gross receipts paid in wages and salaries.....	34.9	.....	.....
Percentage of gross receipts for other expenses and profits.....	65.1

* Not reported for the year 1900.



PART III.

Glass and Glassware.

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MANUFACTURE OF GLASS AND GLASSWARE FOR 1901, WITH COMPARISONS FOR 1900.

STATE SUMMARY.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	12	39	27	.....
Number of males employed (monthly average)	1,451	6,392	4,941	.....
Number of females employed (monthly average)	76	647	571	.....
Number employed, managers, office help, etc. (monthly average).....	72	269	197	.....
Amount of capital invested.....	\$3,058,200 00	\$5,411,504 00	\$2,353,304 00	.....
Value of goods manufactured.....	1,824,659 13	7,024,492 01	5,199,832 88	.....
Value of goods sold.....*	*	6,823,950 15	.....	.....
Value of materials used.....	576,436 46	2,009,350 04	1,432,913 58	.....
Value of manufactured goods on hand at end of year.....	132,359 21	934,772 27	802,413 06	.....
Value of materials on hand at end of year	147,107 86	316,191 00	169,083 14	.....
Amount paid in wages for labor.....	805,677 42	3,463,904 36	2,658,226 94	.....
Amount paid managers, office help, etc.	105,152 76	337,040 16	231,887 40	.....
Number affected by advance in wages	432	816	384	.....
Number affected by reduction in wages .....	.....	29	29	.....
Average per cent. advance in wages.	12.5	7	.....	5.5
Average per cent. reduction in wages. ....	.....	8.8	8.8	.....

* Question omitted.

TABLE I—GLASS AND GLASSWARE.

Giving Value of Goods Manufactured and Sold, the Value of Materials Used in 1901, the Value of Manufactured Articles and Materials on Hand January 1st, 1902, and the Capital Invested.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
68	\$278,565 36	\$270,570 35	\$20,233 67	\$61,313 79	\$3,649 16	\$40,000
341	23,000 00	23,000 00	850 00	6,000 00	1,400 00	5,000
1898	53,576 94	53,576 94	1,000 00	16,513 83	6,359 53	22,000
1938	118,296 04	118,296 04		33,571 46		40,000
2367	187,658 23	143,898 95	43,759 28	52,673 95		300,000
2385	700,000 00	700,000 00	30,000 00	230,000 00	12,000 00	200,000
2907	52,069 62	22,969 12	29,100 50	16,724 45	465 00	50,000
2908	348,556 73	340,837 82	3,974 91	113,746 39	6,340 00	195,000
2909	276,201 72	242,685 60	33,516 12	50,932 26	1,000 00	40,000
2956	260,000 00	250,000 00	2,000 00	85,000 00	1,000 00	125,000
2957	590,000 00	550,000 00	200,000 00	164,000 00	50,000 00	200,000
3490	608,802 90	741,763 57	29,813 10	272,637 56	31,716 20	2,000,000
5143	163,682 84	148,353 88	45,148 12	10,113 87	49,294 79	70,500
5149	95,550 36	75,550 36	20,000 00	9,397 20	2,000 00	59,000
5156	156,613 13	156,613 13	15,752 55	18,992 47	2,311 79	
5406	125,366 55	136,801 02	13,357 08	13,635 51	2,946 17	50,000
5425	129,729 81	129,729 81		43,717 56	6,000 00	50,000
5467	112,076 86	97,546 57	21,346 62	24,352 70	4,595 20	83,664
5764	120,000 00	150,000 00		35,265 00	6,150 50	40,000
5777	140,000 00	130,124 49	28,929 00		16,128 01	75,000
6009	111,000 00	10,600 00	15,000 00	15,000 00	10,000 00	50,000
6071	109,700 00	93,000 00	17,000 00	44,000 00	3,100 00	50,000
6087	123,000 00	158,555 43	29,236 64	36,900 00	6,711 11	100,000
6680	173,366 54	194,177 80	38,488 76	46,032 66	22,246 69	300,000
6684	113,972 25	103,263 90	17,866 95	18,531 69	3,371 08	40,000
6763	320,836 32	320,106 24	43,508 80	80,301 87	5,397 15	170,796
7000	52,823 16	51,330 63	19,556 92	23,497 12	479 00	63,498
7001	188,083 34	188,053 76	31,794 40	63,630 22	3,999 15	64,716
7237	76,552 50	78,725 43	39,550 50	16,720 23	5,277 47	59,000
7239	143,000 00	143,000 00		20,500 00	6,786 00	96,800
7296	493,835 00	462,786 00	33,441 35	184,435 00	17,132 00	146,880
7313	155,000 00	135,000 00	20,000 00	35,000 00	10,000 00	100,000
7812	28,804 10	24,804 10	4,000 00	13,950 45	1,900 00	30,000
7825	300,000 00	300,000 00	30,000 00	125,000 00	5,000 00	60,000
8026	40,000 00	28,000 00				400,000
8137	10,000 00	10,000 00		3,000 00	3,000 00	4,000
8249	2,892 42	2,892 42		1,889 76	250 00	800
9187	30,000 00	30,000 00		20,000 00	5,000 00	25,000
9833	11,879 29	10,337 29	1,542 00	2,373 04	3,185 00	4,850
Totals 39	\$7,024,492 01	\$6,823,950 15	\$934,772 27	\$2,009,350 04	\$316,191 00	\$5,411,504

TABLE II — GLASS AND GLASSWARE.

Giving Amount Paid in Wages and the Number Employed and the Salaries Paid Office Help for the year 1901.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Mo. sal.
68	\$116,507 15	2	\$581 67	2	\$325 00	1	\$100 00	1	\$15 00	2	\$30
341	9,000 00	2	140 00	1	100 00	1	40 00				
1398	14,981 06	1	160 00			1	100 00			1	24
1938	76,136 01	2	300 00			2	60 00				
2367	72,871 01	2	200 00					1	72 00		
2385	320,000 00	7	2,100 00	3	550 00			5	725 00		
2907	33,568 48	1	86 67			1	150 00	1	83 33		
2908	206,810 23	3	256 00	1	166 67	1	75 00	1			
2909	132,119 66	2	215 00			1	75 00	2	95 00	1	30
2956	90,000 00	5	750 00	7	1,050 00	2	250 00	2	150 00	2	120
2957	376,391 59	3	450 00	5	670 00	4	315 00	2	115 00	2	65
3490	314,584 13	11	1,125 00			2	135 00	5	220 00	1	50
5143	88,529 50	1	150 00	3	250 00	1	75 00			1	28
5149	48,984 39	2	291 67	1	100 00	1	75 00	1	30 00	1	40
5156	71,370 05	1	120 00			1	65 00				
5406	60,387 09	4	591 67	1	166 67			2	128 00	1	60
5425	67,812 25	2	275 00			1	60 00			1	25
5467	46,538 03	3	320 00			1	24 00			1	12
5754	33,295 60	3	400 00			1	150 00	1	75 00		
5777	39,679 60	4	600 00	4	466 00	1	60 00	2	60 00	1	60
6009	50,000 00	3	425 00	2	250 00	1	100 00	1	40 00	1	40
6071	23,000 00	4	733 00	1	167 00	1	50 00	2	90 00	1	30
6087	66,179 35	4	450 00			1	66 00	1	20 00	1	48
6680	87,856 05	6	1,133 00	3	490 00	1	175 00	5	325 00	2	60
6684	61,557 83	3	380 00	1	130 00					1	40
6763	172,882 93	6	512 00					5	240 00		
7040	28,681 97					1	35 00				
7001	87,858 00	2	233 00	1	75 00	1	66 66	1	40 00	1	25
7237	54,276 87	1	116 67			1	50 00				
7239	96,054 00	2	275 00			1	75 00			1	20
7296	197,122 00	8	1,240 00			3	196 00	4	210 00	4	150
7313	71,446 46	2	300 00	1	167 00	1	60 00	1	65 00	1	60
7812	21,000 00	1	75 00					1	16 00		
7825	100,000 00	3	280 00	1	200 00	2	150 00	5	400 00	2	100
8026	41,044 69			1		1	150 00			1	35
8137	3,000 00										
8249	1,462 00	1	28 00								
9187	4,500 00	1	60 00			1	50 00			1	28
9833	6,416 38	1	75 00								
Totals.... 39	\$3,463,904 36	109	\$15,428 35	37	\$5,156 34	39	\$3,032 66	51	\$3,214 33	33	\$1,255

TABLE III — GLASS AND GLASSWARE.

Giving the Number of Males and Females Employed each Month, for the Year 1901.

Schedule number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
68	252	17	252	17	252	17	252	17	260	17
341	18		15		14		14		18	
1898	27	2	29	2	29	2	28	2	31	2
1938	150		135		130		140		140	
2367	227	124	227	124	227	124	227	124	227	124
2385	505	40	505	40	505	40	505	40	505	40
2907					60		53		58	
2908	350		350		350		350		350	
2909	142	1	142	1	142	1	142	1	142	
2956	210	40	210	40	210	40	210	40	210	40
2957	831		806		817		954		961	
3490	619	3	657	3	695	3	735	3	819	3
5143	243	15	120	11	202	13	213	14	204	14
5149	63	14	66	17	68	19	68	19	60	12
5156	135	15	135	15	135	15	135	15	135	15
5406	110	19	104	13	118	22	116	20	112	25
5425	127		127		127		127		127	
5467	77	6	67	12	67	5	79	9	84	5
5754	120		120		120		120		60	
5777	104	10	101	17	98	19	105	16	121	26
6009	130	14	130	14	135	14	135	15	130	14
6071	80	16	90	18	93	21	92	21	93	21
6087	161	40	170	45	150	40	162	47	172	50
6680										
6684	131	34	122	29	177	47	126	48	113	54
6763	302	113	302	113	302	113	302	113	302	113
7000	68		68		68		68		68	
7001	316		316		316		316		316	
7237	109		109		109		109		110	
7239	150		150		150		150		150	
7296	530	48	530	48	530	48	265	24	530	48
7313	150	20	150	20	150	20	150	20	150	20
7812	50									
7825	130		130		130		130		130	
8026					110	10	125	15	125	15
8137	8		7		6		5		4	
8249	4		4		4		4		4	
9187	7	1	7	1	7	1	7	1	7	1
9833	5		5		10		10		10	
Totals..... 39	6,641	592	6,458	600	6,813	634	6,735	624	7,038	659

NOTE — Average per month: Males, 6,392; females, 647.

TABLE III—GLASS AND GLASSWARE.

Giving the Number of Males and Females Employed each Month, for the Year 1901.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
260	17	.....	.....	.....	.....	260	15	260	15	252	17	252	17
17	.....	18	.....	17	.....	17	.....	19	.....	19	.....	21	.....
32	2	33	2	30	2	31	2	31	2	34	2	34	2
21	.....	21	.....	14	.....	16	.....	32	.....	140	.....	138	.....
227	124	.....	.....	227	124	227	124	227	124	227	124	227	124
505	40	505	40	505	40	505	40	505	40	505	40	505	40
61	.....	.....	.....	.....	.....	68	.....	106	.....	112	.....	110	.....
350	.....	85	.....	62	.....	350	.....	350	.....	350	.....	350	.....
142	.....	32	.....	25	.....	221	1	221	1	221	1	221	1
210	40	25	5	25	5	210	40	210	40	210	40	210	40
984	.....	225	.....	218	.....	480	.....	587	.....	650	.....	676	.....
824	3	822	3	785	3	794	2	779	2	795	2	815	2
296	16	160	14	17	.....	141	7	268	14	248	13	232	16
48	9	14	6	57	10	59	13	65	16	67	17	69	19
135	15	.....	.....	135	15	135	15	135	15	135	15	135	15
108	27	69	10	111	23	116	26	117	28	128	30	112	25
10	.....	5	.....	2	.....	2	.....	20	.....	127	.....	127	.....
96	5	35	4	139	12	146	12	169	12	170	12	179	14
10	.....	10	.....	5	.....	5	.....	5	.....	120	.....	120	.....
123	34	46	4	203	26	167	43	180	38	182	44	164	36
130	14	10	5	130	14	130	14	135	16	140	18	138	16
93	21	11	3	90	18	90	16	93	21	93	21	85	16
160	40	17	12	150	30	165	45	167	43	170	50	165	55
.....	.....	.....	.....	.....	.....	322	81	513	114	524	111	511	116
151	56	26	23	172	53	178	63	180	48	169	37	135	29
302	113	302	113	302	113	302	113	302	113	302	113	302	113
68	.....	.....	.....	.....	.....	68	.....	68	.....	68	.....	68	.....
316	.....	.....	.....	.....	.....	316	.....	316	.....	316	.....	316	.....
6	.....	13	.....	12	.....	8	.....	14	.....	107	.....	110	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150	.....	150	.....
265	24	30	10	530	48	530	48	530	48	530	48	530	48
150	20	35	20	75	20	150	20	150	20	150	20	150	20
.....	.....	.....	.....	.....	.....	50	.....	50	.....	50	.....	50	.....
130	.....	130	.....	130	.....	130	.....	130	.....	130	.....	130	.....
140	15	140	15	150	18	175	20	200	25	250	30	250	30
6	.....	7	.....	8	.....	8	.....	8	.....	9	.....	10	.....
4	.....	4	.....	4	.....	4	.....	4	.....	4	.....	4	.....
7	1	7	1	7	1	7	1	7	1	7	1	7	1
10	.....	10	.....	10	.....	5	.....	5	.....	5	.....	5	.....
6,397	636	2,847	290	4,347	575	6,588	761	7,158	796	7,366	806	7,813	795

TABLE IV—GLASS AND GLASSWARE.

Giving by Occupations, Number Employed, Average Number of Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1901.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Acid foreman	1	225	\$1 75	\$393 75	10
Acid foreman's assistant.....	1	225	75	168 75	10
Apprentices and blowers.....	214	248	4 26	1,056 48	8.5
Art glass workers.....	6	245	2 00	490 00	10
Ash wheeler	1	168	1 50	252 00	10
Assemblers	4	300	1 25	375 00	9
Batch mixers	15	188	1 58	297 04	9.6
Bevelers	10	305	1 54	469 70	9.6
Beveler and silverer	1	309	3 33	1,028 97	10
Blacksmiths	26	223	2 43	541 89	9.8
Blacksmiths' helpers	2	164	1 38	226 32	10
Blockers	12	250	4 00	1,000 00	9
Blowers	1,087	245	3 83	938 35	9
Blowers' helpers	185	136	65	88 40	8.8
Bottle makers	350	252	2 42	609 84	9
Box makers	29	205	1 53	313 65	10
Bricklayers	44	259	1 89	489 51	10
Carpenters	20	266	1 69	449 54	10
Carriers (boys)	92	271	78	211 38	9.4
Carriers (men)	4	167	1 50	250 50	9.5
Casters	179	260	1 80	468 00	10
Cementers	3	304	1 20	364 80	10
Clay trumper	1	168	1 50	252 00	9
Cleaners (boys)	4	309	1 00	309 00	9
Coal wheelers	9	205	1 68	344 40	10.3
Coopers	4	268	2 00	536 00	10
Cutters (boys)	25	200	90	180 00	10
Cutters (men)	213	261	2 87	749 07	10
Decorators (boys)	3	260	1 00	260 00	10
Decorators (men)	11	260	2 82	733 20	10
Designers	2	305	2 69	820 45	9.5
Drivers	3	210	1 67	350 70	10
Drayman	1	270	1 75	472 50	10
Draughtsman	1	245	3 00	735 00	9
Electricians	7	255	1 71	436 05	10
Engineers	32	248	1 99	493 52	11
Engineers' assistants	4	225	1 77	398 25	10
Engravers and cutters.....	4	275	2 50	687 50	10
Emery makers	2	260	1 87	486 20	10
Errand runner (boy).....	1	300	50	150 00	10
Etchers	4	248	2 38	590 24	10
Etchers' helpers	2	250	1 50	375 00	10
Factory boys	45	260	90	234 00	9
Factory men	110	251	1 92	481 92	9
Feeders	16	225	4 50	1,012 50	10
Finishers (boys)	161	89	83	73 87	9
Finishers (men)	9	260	3 96	1,029 60	10
Firemen	6	210	1 83	384 30	10.7
Fitters	3	267	1 83	488 61	10
Flatteners	27	169	5 43	917 67	10.8
Furnace men	82	235	1 85	434 75	11.3
Gas makers	39	246	1 78	437 88	12
Gatherers	436	178	2 59	461 02	8.7
Glass painters (artists).....	4	309	3 50	1,081 50	9
Glass workers	668	264	2 71	715 44	9.3
Glaziers	25	240	1 57	376 80	10
Grinders	237	258	1 93	497 94	11.6
Handler	1	260	5 00	1,300 00	9
Helpers (general)	90	200	90	180 00	10
Kiln man	1	260	3 00	780 00	10
Laborers	872	232	1 20	278 40	9.8
Laborers (boys)	691	260	80	208 00	9.4
Layers-out	4	168	2 33	391 44	12
Laying-up boys	4	167	1 10	183 70	9.5

TABLE IV — GLASS AND GLASSWARE — Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Lehr tenders	56	204	\$1 59	\$324 36	11
Lehr tenders (boys).....	12	219	1 00	219 00	8.5
Lime sifter	1	168	2 00	336 00	8
Machinists	48	247	2 04	503 83	10
Melters and grinders.....	35	270	1 38	372 60	10
Mill man	1	168	1 50	252 00	9
Mixers	25	273	1 67	455 91	9.7
Mould cleaners	6	227	1 40	317 80	10
Mould makers	104	271	2 85	772 35	9.8
Mould makers (boys).....	60	306	82	250 92	9
Orderers	2	260	1 25	325 00	10
Packers	280	251	1 75	439 25	9.8
Pipe fitters	2	248	1 78	441 44	10
Plaster makers	4	260	1 50	390 00	10
Polishers	117	260	1 53	410 80	12
Porter	1	300	1 66	498 00	9
Pot makers	41	255	1 88	479 40	10
Pressers	19	263	4 15	1,091 45	9
Producers	5	167	2 00	334 00	9.5
Rollers (boys)	16	167	1 29	215 43	9
Rouge maker	1	260	2 60	676 00	10
Selectors	20	267	1 23	328 41	10
Shippers	12	236	1 92	549 12	10
Shipping clerks	5	271	1 96	531 16	10
Shore boys	10	178	1 16	206 48	11
Shovers	6	162	1 66	268 92	12
Snappers	118	169	1 53	258 57	7.6
Sorter	1	306	1 00	306 00	10
Tank men	4	210	2 00	420 00	12
Teamsters	5	270	2 54	685 80	10
Teasers	30	186	1 80	334 80	10
Teasers' masters	4	164	2 43	398 52	12
Timekeepers	2	225	87	195 75	10
Watchmen	5	278	1 26	350 28	11.6
Yardmen	9	196	1 50	294 00	8.7
Totals and averages.....	7,217	218	\$1 92	\$418 56	9.5

TABLE IV — GLASS AND GLASSWARE — Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Acid girls	20	225	\$0 63	\$141 75	10
Box makers	2	210	60	126 00	10
Carton workers	7	89	60	53 40	10
Counters	12	225	1 10	247 50	10
Cutters	20	215	77	165 55	10
Decorators	112	263	71	186 73	10
Etchers	15	247	65	160 55	10
Etchers' helpers	12	250	75	137 50	10
Fitters (lamp)	3	267	50	133 50	10
Grinders	103	237	79	187 23	10
Laborers	30	200	60	120 00	10
Melters	72	230	72	165 60	10
Mould cleaners	8	268	65	174 20	10
Mould makers	9	260	56	145 60	10
Packers	139	273	68	185 64	9.7
Paperers	25	225	55	123 75	10
Reflector finishers	3	89	87	59 63	10
Sand blast workers	5	270	90	243 00	10
Selectors	60	212	84	178 08	10
Sorters	18	281	77	216 37	9.8
Stampers	9	225	66	148 50	10
Stockkeepers	2	260	1 25	325 00	10
Wipers	12	225	65	146 25	10
Wrappers	35	126	53	66 78	10
Totals and averages.....	733	237	\$0 71	\$168 27	10

TABLE V—GLASS AND GLASSWARE.

Showing the Number in each Occupation Affected by a Change in Wages for the Year 1901.

Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Bevelers	2	10	....	Decorators	30	12	....
Blacksmiths	6	13.9	....	Sorters	12	12	....
Blowers	137	7.9	....	Fitters (lamp)	3	5	....
Carpenters	4	7.4	....	Selectors	8	15	....
Cementers	2	10	....			
Cutters	7	17.1	....	Total and average.....	53	12	....
Cutters	23	....	9				
Engineers	6	6.3	....			
Factory men	80	4.5	....			
Flatteners	4	7	....			
Flatteners	6	....	8				
Gatherers	62	6.2	....			
Glass workers	239	7	....			
Glaziers	8	17.5	....			
Laborers	147	4.9	....			
Mould makers	16	4.7	....			
Packers	9	15	....			
Pipe fitters	2	14.6	....			
Pot house men.....	11	4	....			
Selectors	18	5	....			
Shippers	3	5				
Totals and averages.....	763	6.7				
	29	8.8				

PART IV.

Pottery and Stoneware.

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MANUFACTURE OF POTTERY AND STONEWARE FOR 1901, WITH COMPARISONS FOR 1900.

STATE SUMMARY.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting...	3	75	72	.....
Number of males employed (monthly average).....	522	6,562	6,040	.....
Number of females employed (monthly average).....	199	2,706	2,507	.....
Number employed, managers, office help, etc., (monthly average).....	107	605	498	.....
Amount of capital invested.....	\$490,500 00	\$7,420,292 00	\$6,929,792 00	.....
Value of goods manufactured.....	686,670 79	9,387,761 49	8,701,090 70	.....
Value of goods sold.....	*	9,074,490 02	.....	.....
Value of materials used.....	137,852 61	2,550,354 25	2,412,501 64	.....
Value of manufactured goods on hand at end of year.....	127,000 00	1,582 483 07	1,455,483 07	.....
Value of materials on hand at end of year	40,485 00	447,684 19	407,199 19	.....
Amount paid in wages for labor.....	239,344 52	4,294,032 51	4,054,687 99	.....
Amount paid managers, office help, etc.	167,337 84	707,348 28	540,010 44	.....
Number affected by advance in wages	300	1,113	813	.....
Average per cent. advance in wages	5	8.3	3.3	.....

* Question omitted.

TABLE I—POTTERY AND STONEWARE.

Giving Value of Goods Manufactured and Sold, the Value of Materials Used in 1901, the Value of Manufactured articles and Materials on Hand January 1st, 1902, and the Capital Invested.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand Jan. 1st, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand Jan. 1st, 1902.	Capital invested.
2660	\$809,909 00	\$799,620 00	\$273,022 00	\$236,025 00	\$37,911 00	\$1,000,000
3235	375,000 00	350,000 00	35,000 00	80,000 00	3,000 00	180,000
3238	290,000 00	300,000 00	54,000 00	50,000 00	9,000 00	300,000
4000	327,000 00	313,000 00	45,000 00	86,000 00	8,000 00	425,000
4002	21,500 00	22,000 00	3,329 76	5,240 52	500 00	12,000
4003	35,000 00	36,000 00	12,000 00	11,000 00	3,000 00	16,000
4004	29,300 00	29,000 00	3,500 00	12,000 00	900 00	17,000
4005	27,500 00	27,500 00	2,000 00	4,500 00	500 00	30,000
4006	20,500 00	24,500 00	5,175 00	4,729 00	1,161 00	13,100
4007	17,200 00	13,500 00	3,700 00	3,750 00	800 00	12,000
4008	18,000 00	20,034 00	3,740 29	2,000 00	1,100 00	20,000
4010	32,900 00	25,900 00	7,000 00	7,000 00	1,500 00	30,000
4011	23,000 00	15,663 87	8,000 00	3,900 00	400 00	12,000
4014	7,000 00	5,000 00	2,000 00	1,500 00	500 00	15,000
4016	60,000 00	60,000 00	6,000 00	17,000 00	1,400 00	42,000
4017	5,500 00	2,863 95	2,637 00	1,200 00	100 00	8,000
4018	12,348 00	12,348 00	1,000 00	250 00	1,050 00	10,000
4019	6,500 00	5,000 00	1,500 00	1,200 00	1,800 00	4,500
4021	220,000 00	200,000 00	20,000 00	62,000 00	7,000 00	38,500
4022	95,926 14	97,579 52	11,626 40	6,716 00	2,555 00	49,600
4023	9,000 00	9,000 00	.....	1,000 00	.....	2,000
4024	173,000 00	169,000 00	34,723 00	37,500 00	4,950 00	145,000
4025	121,184 32	159,500 00	20,000 00	39,700 00	3,500 00	140,000
4026	22,000 00	16,180 25	5,000 00	2,737 82	.....	50,000
4029†	900,000 00	850,000 00	150,000 00	372,000 00	104,000 00	1,000,000
4032	146,905 00	161,059 00	35,000 00	18,555 00	5,500 00	149,335
4033	170,212 00	163,752 00	19,195 00	8,420 00	6,330 00	100,000
4036	610,000 00	585,680 00	132,000 00	240,000 00	58,000 00	523,100
4037	260,000 00	260,000 00	20,000 00	102,000 00	7,200 00	100,300
4038	20,307 10	18,225 08	2,082 10	1,406 17	2,332 10	30,000
4040	190,000 00	195,000 00	20,000 00	36,350 00	5,000 00	100,000
4041	324,306 95	288,159 61	36,147 34	46,348 38	12,523 01	235,000
4042*	980,000 00	980,000 00	160,000 00	196,000 00	16,000 00	950,000
4043	190,000 00	207,591 54	10,000 00	50,883 71	3,000 00	35,100
4044	193,000 00	193,000 00	.....	60,000 00	.....	50,000
4045	200,000 00	160,000 00	40,000 00	71,000 00	22,000 00	90,000
4046	297,480 00	297,480 00	.....	46,582 00	.....	100,000
4048	183,162 00	194,500 00	36,169 00	56,062 00	3,538 00	100,000
4050	123 426 00	122,918 00	16,563 00	40,948 00	5,720 00	42,000
4051	55,000 00	42,542 79	28,000 00	13,000 00	5,000 00	150,000
4052	167,730 27	167,726 38	49,978 19	56,878 85	8,711 15	19,500
4056	212,000 00	215,000 00	27,000 00	60,000 00	30,000 00	100,000
4057	201,082 02	194,922 10	39,622 51	43,907 75	7,716 15	196,207
4060	15,630 78	15,275 33	1,698 64	.....	.....	9,600
4061	4,875 00	4,125 00	750 00	822 50	855 00	1,875
4062*	250,000 00	210,000 00	75,000 00	65,000 00	6,000 00	100,000
4063	50,000 00	25,000 00	3,000 00	25,000 00	3,000 00	50,000
4065	8,000 00	13,000 00	1,200 00	1,000 00	100 00	3,000
4066	15,000 00	15,000 00	.....	.....	.....	2,000
4068	93,000 00	82,000 00	11,000 00	24,600 00	3,500 00	60,000
4069	6,000 00	6,000 00	1,000 00	1,500 00	200 00	3,000
4070	1,000 00	1,000 00	500 00	150 00	50 00	3,600
4072	137,866 62	137,866 62	.....	56,865 28	.....	90,000
4073	17,896 99	10,539 69	7,361 30	9,086 73	7,188 76	38,775
4077	4,000 00	2,500 00	1,500 00	1,400 00	100 00	6,000
4078	6,500 00	4,135 00	7,300 00	.....	.....	4,000
4082	207,899 50	176,298 98	31,600 57	47,943 79	9,652 82	149,300
4085	30,000 00	26,000 00	4,000 00	10,672 37	2,000 00	25,000
4087	4,000 00	3,500 00	500 00	400 00	525 00	5,000
4090	69,000 00	68,800 00	13,400 00	1,400 00	1,100 00	50,000
4091	3,000 00	3,000 00	500 00	.....	.....	5,000
4092	5,000 00	5,000 00	50 00	3,000 00	100 00	2,000
4093	25,000 00	25,000 00	.....	6,000 00	1,000 00	5,000
5006	218,000 00	208,000 00	30,000 00	76,605 19	10,000 00	59,200
5391	23,173 80	12,921 83	10,251 97	16,783 49	8,947 20	100,000
9507	9,040 00	8,780 60	160 00	4,740 70	168 00	6,000
Totals, 75	\$9,387,761 49	\$9,074,490 00	\$1,582,483 07	\$2,550,354 25	\$447,684 19	\$7,420,292

† Six establishments.

* Three establishments.

TABLE II—POTTERY AND STONEWARE.

Giving Amount Paid in Wages and the Number Employed and the Salaries Paid Office Help for the Year 1901.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
2660	\$399,000 00	10	\$1,750 00	3	\$625 00	2	\$300 00	5	\$360 00	2	\$95 00
3235	110,000 00	12	825 00	28	2,380 00	2	125 00	5	150 00	2	75 00
3238	130,000 00	15	1,500 00	23	16,666 67	1	75 00	1	30 00	3	110 00
4000	160,000 00	4	300 00	2	158 00	1	75 00	4	150 00	2	50 00
4002	9,537 53										
4003	18,000 00	1	100 00	2	150 00	1	75 00				
4004	14,000 00	1	75 00			1	60 00				
4005	18,000 00	1	52 00							1	24 00
4006	8,950 00	1	75 00	1	65 00	1	35 00				
4007	5,500 00										
4008	14,550 00	1	75 00	2	75 00	1	35 00				
4010	10,000 00			1	75 00	1	75 00				
4011	6,974 48	1	50 00	1	50 00	1	20 00				
4014	4,000 00	1	50 00	1	80 00	1	50 00				
4016	17,000 00										
4017	2,000 00	1	46 00	2	100 00						
4018	11,409 00	1	50 00								
4019	3,200 00	1	40 00	1	44 00						
4021	106,000 00	6	600 00	6	750 00	1	80 00			1	48 00
4022	34,500 00	3	310 00			1	125 00			1	35 00
4023	6,000 00										
4024	82,500 00	2	184 00			1	72 00	1	36 00		
4025	79,585 00	2	180 00			2	216 66	1	50 00	2	62 00
4026	9,511 00	2	160 00	15	1,050 00	1	80 00				
4029†	458,000 00	10	1,350 00	12	1,500 00	3	285 00	3	150 00	5	130 00
4032	73,130 00	1	166 66	1	200 00	1	90 00	1	80 00	1	33 00
4033	72,579 00	4	370 00			2	170 00			1	45 00
4036	280,000 00	8	1,400 00	5	1,000 00	1	65 00	6	430 00	2	95 00
4037	122,000 00	2	250 00	2	350 00	1	125 00	1	60 00	2	84 00
4038	8,075 00	2	192 00			1	40 00				
4040	95,323 00	2	290 00	3	525 00	1	100 00	1	30 00	1	36 00
4041	125,093 98	2	446 00	2	225 00	1	75 00	2	65 00	1	40 00
4042*	460,000 00	9	844 00	50	6,500 00	5	400 00	10	912 00	7	170 00
4043	96,033 08	2	220 00	2	300 00	1	45 00	2	75 00	1	40 00
4044	85,000 00	3	330 00	3	1750 00	1	110 00				
4045	100,000 00	5	475 00	3	550 00	1	80 00	1	40 00	2	60 00
4046	156,132 00	4	292 00	5	705 40	2	157 00			1	33 00
4048	90,603 71	3	360 00	6	600 00			2	175 00	1	45 00
4050	50,439 00	4	400 00	18	850 00					1	40 00
4051	23,957 66	2	166 67	2	166 67	1	83 34	1	25 00		
4052	54,661 00	4	463 33			1	125 00	1	43 33		
4056	110,000 00	4	450 00	4	350 00	1	75 00			2	80 00
4057	65,600 26	4	650 00			1	108 33				
4060	3,937 43	1	75 00	1	50 00	1	25 00				
4061	15,360 60										
4062*	75,142 63	6	600 00	15	1,000 00	1	55 00	3	175 00	6	140 00
4063	13,400 00	4	280 00	3	210 00	1	100 00	2	100 00	1	40 00
4065	3,600 00	1	52 00			1	15 00				
4066	3,000 00										
4068	23,844 79	3	360 00	5	450 00	1	24 00	1	24 00	2	48 00
4069	1,200 00										
4070	600 00	1	60 00								
4072	66,489 35	4	312 00					1	45 00		
4073	11,640 72	1	100 00	2	225 00	1	60 00				
4077	2,000 00	1	45 00								
4078	1,300 00										
4082	82,009 41	2	285 00	15	1,418 20	1	125 00	2	44 94	1	34 66
4085	12,754 40	1	65 00			1	65 00				
4087	350 00	3	150 00								
4090	36,000 00	2	275 00	1	56 00	1	39 00	6	208 00	1	48 00
4091	1,200 00										
4092	1,200 00										
4093	2,000 00	1	50 00	1	75 00	1	50 00			1	20 00
5006	93,743 43	2	270 00	1	170 00	1	100 00	1	50 00	1	20 00
5391	66,938 25	1	108 33			1	100 00	1	39 00	1	39 00
9507	3,020 80	2	60 00	1	13 50	1	9 00				
Totals 75	\$4,294,032 51	177	\$18,684 99	251	\$30,509 44	57	\$4,399 33	65	\$3,547 27	55	\$1,804 66

* Three establishments.

† Six establishments.

‡ Salary and expenses.

TABLE III—POTTERY AND STONEWARE.

Giving the Number of Males and Females Employed Each Month, for the Year 1901.

Schedule number.	January.		February.		March.		April.		May.		
	Males.	Female.	Males.	Female.	Males.	Female.	Males.	Female.	Males.	Female.	
2660	566	258	566	258	566	258	566	258	566	258	
3235	325	115	325	115	325	115	325	115	325	115	
3238	190	90	190	90	190	90	190	90	190	90	
4000	300	6	300	6	320	6	305	6	350	6	
4002	18		18		18		18		18		
4003	30		30		30		30		30		
4004	18		24		27		27		28		
4005	37	1	37	1	37	1	37	1	37	1	
4006	19	2	19	2	19	2	19	2	19	2	
4007							20		20		
4008							25		30		
4010							38		36		
4011	22		22		22		22		22		
4014											
4016	40		42		45		44		40		
4017									9		
4018	13		13		15		15	1	15	1	
4019	8		8		8		8		8		
4021	117	71	117	71	117	71	117	71	117	71	
4022	52	10	59	14	63	12	60	13	56	12	
4023	13		13		13		13		13		
4024	123	43	124	65	120	59	130	65	124	65	
4025	109	49	109	49	109	49	109	49	109	49	
4026	5	1	17	3	17	3	17	3	18	3	
4029*	910	290	910	290	910	290	910	290	910	290	
4032	94	46	94	46	94	46	94	46	94	46	
4033	77	31	77	31	77	31	77	31	77	31	
4036	280	130	280	130	280	130	280	130	360	160	
4037	175	50	175	50	175	50	175	50	175	50	
4038	12	10	12	12	11	14	12	15	7	8	
4040	110	53	110	53	110	53	110	53	110	53	
4041	152	71	152	71	152	71	152	71	152	71	
4042†	644	556	644	556	644	556	644	556	644	556	
4043	106	44	106	44	106	44	106	44	106	44	
4044	110	35	110	35	110	35	110	35	110	35	
4045	130	35	130	35	130	35	130	35	150	35	
4046	216	88	216	88	216	88	216	88	216	88	
4048	125	50	125	50	125	50	125	50	125	50	
4050	69	35	66	32	69	37	72	43	71	36	
4051	62	40	54	45	55	45	57	35	25	18	
4052	100	10	100	10	100	10	100	10	100	10	
4056	150	125	150	125	150	125	150	125	150	125	
4057	92	3	105	4	110	11	109	12	104	10	
4060	10		7		8		7		7		
4061	5		5		5		5		5		
4062†	148	36	150	40	154	44	152	50	158	46	
4063	20	15	20	15	20	15	20	15	20	15	
4065	6		6		6		6		6		
4066	8		8		8		8		8		
4068	52	16	52	16	52	16	52	16	52	16	
4069	4		4		4		4		4		
4070											
4072	58	11	58	11	58	11	58	11	58	11	
4073	12		16	4	23	5	25	6	19	7	
4077									10		
4078	4		4		4		4		7		
4082	113	50	113	50	117	50	117	50	117	50	
4085	24		24		24		24		24		
4087	4		4		4		4		4		
4090	32	33	32	33	32	33	32	33	32	33	
4091	3	1	3	1	3	1	3	1	3	1	
4092	7		7		7		7		7		
4093	7	1	7	1	7	1	7	1	7	1	
5006	75	54	88	55	95	51	93	54	93	55	
5391	109	70	121	74	119	68	114	79	135	67	
9507	10	2	11	1	12	1	12	1	10	1	
Totals	75	6,330	2,637	6,389	2,682	6,447	2,683	6,516	2,710	6,653	2,692

NOTE—Average per month, Males 6562, females 2706.

* 6 establishments. † 3 establishments.

TABLE III—POTTERY AND STONEWARE.

Giving the Number of Males and Females Employed Each Month, for the Year 1901.

June.		July.		August.		September.		October.		November.		December.	
Males.	Female.	Males.	Female.	Males.	Female.	Males.	Female.	Males.	Female.	Males.	Female.	Males.	Female.
566	258	566	258	566	258	566	258	566	258	566	258	566	258
325	115	325	115	325	115	325	115	325	115	325	115	325	115
190	90	190	90	190	90	190	90	190	90	190	90	190	90
350	6	350	6	340	6	330	6	330	6	340	6	340	6
18	.....	18	.....	18	.....	18	.....	18	.....	18	.....	18	.....
30	.....	30	.....	30	.....	30	.....	30	.....	30	.....	30	.....
28	.....	26	.....	20	.....	24	.....	26	.....	22	.....	15	.....
37	1	37	1	37	1	37	1	37	1	37	1	37	1
19	2	17	2	19	2	18	2	18	2	19	2	19	2
20	.....	20	.....	20	.....	20	.....	20	.....	20	.....	20	.....
34	.....	36	.....	34	.....	36	.....	38	.....	30	.....	30	.....
36	.....	36	.....	36	.....	36	.....	36	.....	36	.....	36	.....
22	.....	22	.....	22	.....	22	.....	22	.....	22	.....	22	.....
.....	.....	.....	.....	16	.....	16	.....	18	.....	18	.....	18	.....
40	.....	31	.....	16	.....	30	.....	41	.....	48	.....	45	.....
9	.....	9	.....	9	.....	9	.....	9	.....	9	.....	9	.....
15	1	15	.....	15	.....	15	.....	13	.....	13	.....	13	.....
8	.....	8	.....	8	.....	8	.....	8	.....	8	.....	8	.....
117	71	117	71	117	71	117	71	117	71	117	71	117	71
51	12	49	11	53	12	67	12	71	14	65	12	57	11
13	.....	13	.....	13	.....	13	.....	13	.....	13	.....	13	.....
135	55	120	50	130	50	123	65	130	60	125	50	120	55
109	49	109	49	109	49	109	49	109	49	109	49	109	49
17	3	9	2	17	3	17	2	17	2	17	2	17	2
910	290	910	290	910	290	910	290	910	290	910	290	910	290
94	46	94	46	94	46	94	46	94	46	94	46	94	46
77	31	77	31	77	31	77	31	77	31	77	31	77	31
360	170	360	160	360	160	360	165	360	165	360	165	360	165
175	50	175	50	175	50	175	50	175	50	175	50	175	50
13	9	12	10	14	12	14	7	9	11	11	14	12	10
110	53	110	53	110	53	110	53	110	53	110	53	110	53
152	71	152	71	152	71	152	71	152	71	152	71	152	71
644	556	644	556	644	556	644	556	644	556	644	556	644	556
106	44	106	44	106	44	106	44	106	44	106	44	106	44
110	35	5	18	110	35	110	35	110	35	110	35	55	18
150	40	150	40	150	45	150	70	150	70	150	70	150	70
216	88	216	88	216	88	216	88	216	88	216	88	216	88
125	50	125	50	125	50	125	50	125	50	125	50	125	50
67	38	74	32	65	30	67	30	69	28	73	34	66	31
24	22	34	28	48	30	52	31	65	53	70	46	71	42
100	10	100	10	100	10	100	10	100	10	100	10	100	10
150	125	150	125	150	125	150	125	150	125	150	125	150	125
112	10	101	10	98	8	106	6	101	6	95	6	94	6
7	.....	7	.....	8	.....	8	.....	8	.....	8	.....	8	.....
5	.....	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
172	48	160	47	178	43	176	56	200	44	220	46	195	55
25	23	25	23	25	23	25	23	.....	.....	.....	.....	.....	.....
6	.....	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
8	.....	8	.....	8	.....	8	.....	8	.....	8	.....	8	.....
52	16	52	16	52	16	52	16	52	16	52	16	52	16
4	.....	4	.....	4	.....	4	.....	4	.....	4	.....	4	.....
.....
58	11	58	11	58	11	58	11	58	11	58	11	58	11
20	7	24	7	28	9	29	9	29	14	33	15	29	14
10	.....	10	.....	10	.....	10	.....	10	.....	10	.....	10	.....
7	.....	7	.....	7	.....	7	.....	7	.....	9	.....	7	.....
119	52	105	48	116	49	121	52	121	52	121	52	121	52
.....
4	.....	4	.....	4	.....	4	.....	4	.....	4	.....	4	.....
32	33	32	33	32	33	32	33	32	33	32	33	32	33
3	1	3	1	3	1	3	1	3	1	3	1	3	1
7	.....	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
7	1	7	1	7	1	7	1	7	1	7	1	7	1
91	55	96	50	92	53	96	51	92	54	100	62	101	62
127	57	118	62	123	69	119	72	114	76	112	64	112	79
9	1	10	1	10	1	12	1	14	1	13	1	10	1
6,657	2,706	6,546	2,667	6,647	2,700	6,683	2,755	6,706	2,753	6,739	2,742	6,422	2,741

TABLE IV — POTTERY AND STONEWARE.

Giving by Occupations Number Employed, Average Number of Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1901.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Ball makers	2	290	\$1 40	\$406 00	9
Batters-out	19	285	3 00	855 00	9
Bisque makers	16	298	2 31	688 38	9.6
Blacksmiths	2	300	1 75	525 00	10
Block makers	8	308	1 83	563 64	9
Board carriers	5	280	1 50	420 00	10
Burners	3	285	2 00	570 00	10
Carpenters	5	301	2 26	680 26	9
Cartmen	4	300	1 75	525 00	10
Casters	1	260	1 75	455 00	10
Clay grinders	23	280	1 58	342 40	10
Clay grinders' foreman	1	280	2 00	560 00	10
Clay miners	26	282	1 58	445 56	9
Clay puggers	2	238	1 50	357 00	10
Clay temperer	1	300	1 25	375 00	10
Clay vampers	5	308	1 50	462 00	8
Clay washers	13	276	1 49	411 24	10
Clay wheeler	2	308	1 50	462 00	8
Clay workers	1,093	293	3 20	937 60	9
Clay workers' helpers	57	302	1 60	483 20	9
Coal miners	2	300	2 50	750 00	8
Coopers	8	268	2 94	787 92	9.3
Crate makers	3	285	1 25	356 25	10
Decorators	270	293	3 27	958 11	9
Decorators' apprentices	6	302	1 50	453 00	9
Dippers	82	293	3 14	920 02	9
Dippers' assistants	3	271	2 00	542 00	8.7
Dish makers	17	275	3 85	1,058 75	9
Dish makers' assistants	9	300	1 28	384 00	9
Drawers (kiln)	203	297	1 70	504 90	8.6
Dressers	3	306	2 00	612 00	10
Engineers	56	247	2 15	531 05	10
Engineers' assistants	1	300	1 75	525 00	9
Fettler (man)	1	280	2 50	700 00	10
Fettlers (boys)	2	280	75	210 00	10
Firemen	32	285	2 51	715 35	10
Firemen (decorating)	4	302	5 19	1,567 38	12
Firemen's helpers	8	300	1 50	450 00	10
Glazers	24	278	1 41	391 98	10
Glass workers	31	300	2 75	825 00	8.7
Ground layers	2	290	1 50	435 00	10
Handlers	59	298	2 69	801 62	9
Handlers' helpers	96	300	1 21	363 00	8.5
Helpers (general)	12	300	1 25	375 00	9
Jiggermen	187	291	3 15	916 65	8.7
Jiggermen's helpers	299	302	1 45	437 90	8.7
Tolly men	77	267	2 15	574 05	9.4
Tolly men's helpers	8	238	1 38	328 44	6.8
Kiln men	902	293	2 54	744 22	8.7
Kiln men's helpers	9	299	1 47	439 53	9.8
Laborers	485	286	1 72	491 92	9.4
Machinists	11	280	2 52	705 60	10
Machinists' apprentices	1	280	75	210 00	10
Machinists' foreman	1	280	4 00	1,120 00	10
Mill men	65	312	1 42	443 04	10
Mould carriers (boys)	4	218	70	152 60	9.5
Mould makers	47	288	2 78	800 64	9.2
Mould makers' helpers	7	300	1 75	525 00	9
Mould runners	98	281	2 05	576 05	9
Odd men	58	296	1 53	452 88	9.6
Packers	116	291	2 12	616 92	8.7
Packers' helpers	21	301	1 17	352 17	9.2
Pickers	34	308	1 33	409 64	10
Pin makers	2	300	1 65	495 00	9.5
Pin runners	2	300	1 00	300 00	9.5

TABLE IV — POTTERY AND STONWARE — Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Potters	554	268	\$1 99	\$533 32	9
Potters' helpers	6	280	75	210 00	10
Pressers	385	293	2 97	870 21	8.6
Pressers' apprentices	24	300	1 50	450 00	8
Pressers' foremen	2	280	2 50	700 00	10
Printers	49	296	3 15	932 40	8.5
Sagger makers	90	292	2 59	756 28	9
Sagger makers' assistants	5	302	1 75	528 50	8
Selectors	20	302	1 75	528 50	9
Shippers	23	286	2 30	657 80	8.8
Shopmen	46	304	1 55	471 20	9.8
Slip makers	64	286	2 02	577 72	9.5
Slip makers' helpers	16	300	1 75	525 00	9
Spongers	4	285	1 50	427 50	9
Stickers-up	6	285	3 00	855 00	9
Stone ware makers	105	225	1 61	362 25	9.7
Teamsters	9	285	2 25	641 25	9.7
Throwers	2	240	2 00	480 00	9
Tracers and liners	2	290	3 00	870 00	9
Turners	52	284	2 88	817 92	8.6
Turners' helpers	28	298	1 25	372 50	8
Ware brusher (boy)	1	260	50	130 00	10
Warehouse foreman	1	280	2 00	560 00	10
Warehouse men	124	279	2 16	602 64	9
Warehouse men's helpers	24	301	1 75	526 75	9.8
Watchmen	15	287	1 64	470 68	11
Wheelers	16	300	3 00	900 00	10
Total and averages.....	6,329	289	\$2 39	\$690 71	9

TABLE IV — POTTERY AND STONEWARE — Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Assorters	1	260	\$0 68	\$171 60	10
Bisque workers	96	300	90	270 00	9
Brushers	111	295	95	280 25	8.5
Clay pickers	2	303	83	255 64	9.5
Clay workers	123	290	1 49	432 10	9
Cleaners	22	297	75	222 75	10
Decorators	1,037	296	1 16	343 36	9
Decorators' assistants	95	301	89	267 89	8.8
Dippers	48	292	86	251 12	9.5
Dippers' assistants	38	301	1 20	361 20	8.3
Drawers (kiln)	25	294	98	288 12	8.8
Dressers	106	298	99	295 02	8.3
Finishers	220	303	88	266 64	9.5
Fettlers	43	279	90	251 10	9.8
Glass workers	46	300	93	279 00	9.3
Jiggermen's helpers	20	300	1 15	345 00	9
Laborers	32	287	1 18	338 66	9
Pot makers' rollers.....	8	308	67	206 36	7
Potters	151	289	1 14	329 46	9
Printers' helpers	60	300	1 15	445 00	8
Sagger makers' helpers	24	300	1 75	525 00	8
Selectors	60	302	1 00	302 00	9
Shop hands	14	300	1 16	348 00	9.4
Slip makers	17	294	97	285 18	9.4
Stampers	1	290	1 25	362 50	10
Throwers	2	240	1 00	240 00	9
Tracer and liner	1	290	1 50	435 00	9
Transferrer	24	285	1 15	327 75	9.5
Turners	1	240	1 00	240 00	9
Turners' helpers	12	300	1 00	300 00	9
Warehouse hands	268	290	99	287 10	9
Total and averages	2,713	293	\$1 08	\$316 44	8.9

TABLE V — POTTERY AND STONEWARE.

Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1901.

Occupation — Male.	No. of employes.	Advanced per cent.	Reduced per cent.	Occupation — Female.	No. of employes.	Advanced per cent.	Reduced per cent.
Burners	3	10	....	Slip makers	2	6	....
Clay grinders	13	7	....	Potters	35	10	....
Clay miners	24	10	....	Ware washers	16	10	....
Clay temperer	1	12	....	Bisque workers	10	10	....
Clay workers	170	6	....	Laborers	14	5	....
Coal miners	2	15.8	....	Decorators	27	3.5	....
Crate makers	3	10	....			
Decorators	17	9	....	Total and average.....	104	7.6	....
Dippers	2	13.8	....			
Dish makers	2	12.5	....			
Engineers	9	14.3	....			
Finishers	12	10	....			
Glazers	18	13.3	....			
Handlers	2	12.5	....			
Jiggermen	8	12.5	....			
Kiln men	56	11.2	....			
Laborers	110	8	....			
Machinists	3	5.3	....			
Mill men	65	10.2	....			
Mould makers	3	14	....			
Mould runners	75	7	....			
Packers	28	11.3	....			
Potters	304	6.2	....			
Pressers	16	12.9	....			
Sagger makers	7	11.7	....			
Shop hands	1	12	....			
Slip makers	20	7.8	....			
Stoneware makers	30	25	....			
Turner	1	12.5				
Warehouse men	4	10				
Total and average.....	1,009	8.4				

PART V.

Brick and Tile.

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MANUFACTURE OF BRICK AND TILE FOR 1901, WITH COMPARISONS FOR 1900.

STATE SUMMARY.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting..	29	222	193	.....
Number of males employed (monthly average)	985	8,081	7,096	.....
Number of females employed (monthly average)		363	363	.....
Number employed, managers, office help, etc. (monthly average).....	72	465	393	.....
Amount of capital invested.....	\$1,428,707 00	\$18,806,169 00	\$16,877,462 00	.....
Value of goods manufactured.....	1,121,445 85	8,167,273 34	7,045,827 49	.....
Value of goods sold.....	*	8,762,772 33		.....
Value of materials used.....	290,590 50	1,792,310 73	1,501,720 23	.....
Value of manufactured goods on hand at end of year.....	202,639 02	1,797,081 73	1,594,442 71	.....
Value of materials on hand at end of year	47,477 63	422,613 35	375,135 72	.....
Amount paid in wages for labor.....	430,418 26	3,530,636 98	3,100,268 72	.....
Amount paid managers, office help, etc.	81,890 88	484,530 96	402,640 08	.....
Number affected by advance in wages.	382	2,840	2,458	.....
Average per cent. advance in wages..	9.6	12	2.4	.....

* Question omitted.

TABLE I—BRICK AND TILE.

Giving Value of Goods Manufactured and Sold, the Value of Materials Used in 1901, the Value of Manufactured Articles and Materials on Hand January 1st, 1902, and the Capital Invested.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
90	\$3,500 00	\$3,500 00	.....	\$365 00	\$100 00	\$1,500
91	20,700 00	19,701 31	\$10,212 00	250 00	10,212 00	20,000
92	11,000 00	10,000 00	1,000 00	1,000 00	200 00	3,000
93	7,000 00	7,000 00	.....	1,000 00	200 00	6,000
94	19,691 65	21,449 51	3,902 80	5,650 00	.....	8,000
506	25,000 00	25,000 00	.....	9,000 00	2,000 00	8,000
1077	81,719 54	82,821 66	24,542 36	2,709 56	2,518 42	300,000
1078	105,000 00	94,650 00	9,200 00	17,762 47	530 00	50,000
1722	11,200 00	9,800 00	1,250 00	1,400 00	200 00	4,500
1723	7,800 00	5,900 00	1,900 00	3,300 00	2,225 00	4,500
1724	102,000 00	110,000 00	.....	.....	.....	120,000
1922	5,500 00	4,500 00	12,875 00	1,540 00	449 00	19,500
2174	3,900 00	3,450 00	450 00	879 00	450 00	2,500
2175	13,000 00	11,000 00	1,800 00	1,000 00	1,300 00	4,000
2179	11,000 00	10,000 00	1,320 00	.....	.....	6,500
2225	30,000 00	30,000 00	6,000 00	2,500 00	6,000 00	40,000
2226	41,103 03	45,045 34	8,760 19	.....	.....	66,651
2227	27,000 00	23,000 00	4,500 00	5,500 00	300 00	29,000
2228	69,222 60	69,000 00	12,000 00	.....	.....	11,800
2229	11,500 00	9,500 00	5,000 00	400 00	.....	10,000
2230	24,000 00	24,000 00	3,000 00	1,000 00	10,000 00	16,000
2615	128,871 43	112,713 66	16,157 77	.....	.....	200,000
2659	5,600 00	5,600 00	.....	300 00	.....	7,000
2763	26,520 69	24,118 17	2,402 52	10,160 20	500 00	25,000
3051	6,600 00	6,600 00	3,000 00	.....	.....	18,000
3117	83,096 29	119,425 08	10,800 00	.....	.....	75,000
3233	120,000 00	120,000 00	18,000 00	40,000 00	1,000 00	150,000
3488	11,295 26	11,745 92	1,800 00	.....	.....	4,000
3497*	1,279,400 00	1,560,662 95	522,382 82	439,903 31	100,000 00	10,000,000
3601	15,190 00	21,191 00	4,675 00	5,901 00	1,717 00	27,000
3602	7,000 00	6,000 00	1,000 00	.....	200 00	1,500
3603	22,000 00	22,000 00	4,000 00	8,000 00	.....	10,000
3604	3,500 00	3,500 00	.....	.....	.....	2,500
3607	85,000 00	76,000 00	9,000 00	24,000 00	3,900 00	100,000
3608	365,000 00	365,000 00	60,000 00	152,000 00	11,000 00	473,800
3611	35,151 47	30,121 19	9,826 00	7,040 00	1,342 50	48,000
3654	5,000 00	4,000 00	1,000 00	1,800 00	1,000 00	8,000
4001	37,379 73	31,529 73	5,800 00	7,775 93	625 50	25,000
5002	35,500 00	33,000 00	2,500 00	8,000 00	2,500 00	25,000
5009	10,000 00	10,000 00	2,500 00	2,200 00	500 00	39,000
5034	74,000 00	80,724 00	14,000 00	20,819 00	.....	168,000
5088	240,000 00	194,969 96	45,030 04	34,645 45	2,800 00	200,000
5044	195,572 36	352,545 17	43,542 03	86,302 99	3,506 02	200,000
5048	85,000 00	87,500 00	8,150 00	12,000 00	8,850 00	75,000
5075	9,000 00	9,000 00	4,000 00	2,000 00	200 00	15,000
5085	88,598 20	183,080 50	10,165 03	28,195 27	1,255 02	200,000
5087	128,708 14	218,399 20	20,291 29	37,291 50	228 08	224,000
5098	86,000 00	90,000 00	15,000 00	24,066 00	.....	136,000
5106	33,438 77	29,344 52	4,094 25	9,144 79	486 22	26,538
5115	2,700 00	2,700 00	300 00	1,000 00	300 00	5,000
5152	5,000 00	6,100 00	2,100 00	.....	.....	20,000
5157	36,407 03	34,582 70	4,630 74	.....	.....	11,000
5191	5,500 00	6,000 00	500 00	1,000 00	500 00	7,000
5220	30,000 00	19,500 00	10,500 00	8,450 00	3,000 00	18,350
5229	15,000 00	14,000 00	1,000 00	400 00	15,000 00	27,200
5232	22,735 58	20,296 06	2,363 24	9,305 48	2,363 24	20,000
5234	60,000 00	60,000 00	.....	1,000 00	500 00	65,000
5235	72,000 00	63,000 00	9,000 00	46,000 00	.....	150,000
5241	65,000 00	76,000 00	9,000 00	19,000 00	2,000 00	150,000
5276	110,000 00	96,000 00	15,000 00	.....	.....	50,000
5308	2,475 00	3,150 00	675 00	137 00	37 00	1,000
5330	44,606 36	44,768 16	2,575 20	.....	.....	200,000

* 13 establishments.

TABLE I — BRICK AND TILE — Continued.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
5346	\$2,000 00	\$2,000 00		\$1,000 00		
5362	12,000 00	10,000 00	\$2,000 00	4,000 00		\$6,000
5377	2,446 50	2,446 50		989 50	112 00	500
5409	1,500 00		200 00	200 00	100 00	2,000
5413	9,000 00	9,000 00	400 00	1,000 00	200 00	15,000
5417	60,770 36	55,678 32	20,892 92			146,793
5434	1,000 00	600 00	400 00	350 00		3,500
5529	8,000 00	7,000 00	1,000 00	3,700 00	1,000 00	10,000
5617	26,458 02	17,225 27	9,232 75	4,490 50	2,437 75	50,000
5671	5,000 00	2,700 00	2,500 00	3,000 00	1 500 00	3,000
5683	34,848 00	34,848 00	6,718 00	11,560 00		30,000
5699	42,300 00	42,300 00	11,450 00	24,440 00	12,300 00	10,000
5734	4,787 75	2,280 84	2,225 10	281 81	2,225 84	18,246
5741	13,300 00	13,300 00		3,445 00		5,000
5757	8,000 00	3,000 00				5,000
5769	6,000 00	5,600 00	400 00		500 00	10,000
5816	8,250 00	8,250 00				3,000
5854	10,200 00	10,200 00		1,397 00		11,000
5942 1/2	40,000 00	39,000 00	1,000 00			50,000
5947	6,000 00	5,500 00		1,000 00		1,000
5955	22,000 00	19,000 00	6,600 00			20,000
6014	18,000 00	18,000 00	4,500 00	2,000 00		30,000
6032	15,500 00	15,500 00		3,000 00		9,000
6033	7,000 00	7,000 00		2,000 00	200 00	10,000
6085	21,951 68	17,498 11	4,235 00			16,000
6106	52,100 00	39,800 00	12,300 00	21,000 00	12,300 00	77,800
6136	6,000 00	6,000 00		800 00		4,000
6151	9,000 00	9,000 00		1,200 00		10,000
6187	3,575 00	3,595 00		548 00		2,500
6226	8,500 00	8,200 00	1,400 00	1,100 00		5,760
6363	20,000 00	20,000 00	4,000 00	10,000 00	500 00	10,000
6573	6,375 00	7,500 00				6,000
6574	4,000 00	7,000 00				2,000
6582	4,125 00	4,125 00			2,502 83	6,000
6700	26,000 00	26,000 00	1,500 00		1,500 00	10,000
6735	12,000 00	12,000 00	4,000 00	2,650 00	2,000 00	8,000
6738	14,500 00	12,000 00	2,500 00	3,000 00		10,000
6796	3,750 00	2,000 00	2,000 00			9,000
6814	4,000 00	2,935 00	1,270 00	873 30	1,469 50	6,266
6816	900 00	200 00	700 00			500
6846 1/2	12,000 00	10,000 00	2,000 00	2,500 00		10,000
6880	35,000 00	35,000 00			7,000 00	12,300
6971	15,512 66	13,512 66	2,000 00		2,600 00	5,000
6986	350,000 00	541,897 00	370,598 00	193,372 00	52,676 00	600,000
6989	19,686 38	6,223 51	13,862 87	8,339 44	13,362 87	150,000
6996	38,852 68	57,581 34	15,000 00	13,163 12	10,632 13	150 000
7006	104,470 70	104,385 44	47,998 40	25,245 64	9,702 04	70,000
7009	23,796 45	21,686 10	9,692 88	5,675 05		26,000
7034	1,900 00	3,000 00				15,000
7061	3,600 00	3,600 00		1,500 00		10,000
7136	16,863 03	16,863 03				13,500
7183	4,000 00	4,000 00		600 00		6,000
7184	800 00	800 00				1,000
7186	1,500 00	1,500 00				
7191	4,000 00	4,000 00				8,000
7214	79,500 00	68,900 00	8,532 00			50,000
7224	1,340 00	923 00	415 00	115 00	415 00	1,500
7256	3,500 00	3,000 00	800 00	600 00	800 00	1,000
7271	4,100 00	2,800 00	1,300 00			17,000
7272	5,000 00	3,000 00	2,000 00	1,000 00	3,000 00	6,000
7284	1,500 00	1,500 00				2,000
7309	5,500 00	5,000 00	1,000 00	100 00		6,000
7314	215,681 49	214,681 49	1,000 00		1,000 00	31,912
7320	87,000 00	87,000 00	15,000 00			100,000
7336	6,000 00	5,000 00	1,000 00	1,500 00	1,000 00	2,500
7338	25,000 00	20,000 00	5,000 00	500 00	4,500 00	25,000
7340	1,100 00	1,081 00	450 00	200 00		3,000
7357	5,000 00	5,000 00		850 00		4,000
7364	4,000 00	4,000 00	2,000 00			5,000
7379	45,168 00	42,600 00	4,988 00	14,560 00	727 00	65,000

TABLE I—BRICK AND TILE—Continued.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
7391	\$38,717 00	\$34,486 00	\$9,600 00			\$54,600
7399	9,000 00	8,000 00	1,000 00	\$2,000 00	\$1,800 00	6,000
7412	3,600 00	3,600 00				3,500
7422	27,119 36	26,303 77	3,048 50			20,000
7454	3,000 00	3,000 00	1,000 00			15,000
7491	4,000 00	4,000 00		850 00		2,200
7512	8,000 00	8,000 00	1,000 00	2,000 00	1,000 00	12,000
7516	300 00	600 00	300 00			1,000
7517	2,500 00	2,500 00				2,200
7534	1,500 00	1,500 00	300 00	600 00		1,000
7543	2,100 00	1,500 00	1,800 00	350 00		2,000
7556	6,500 00	6,500 00		12,000 00		12,000
7581	1,160 00	1,160 00	180 00			3,000
7591	11,640 82	11,940 74	811 74	3,009 21		3,800
7592	7,980 24	7,980 24		7,249 96		11,650
7601	57,395 00	54,219 19	12,425 00	23,969 78	12,457 04	75,000
7603	28,000 00	87,000 00	1,000 00	35,000 00	1,800 00	50,000
7615	22,000 00	20,000 00	2,000 00	7,000 00	500 00	15,000
7616	53,538 59	53,565 95	9,031 99	10,209 00	9,031 99	62,264
7642	60,000 00	60,000 00		6,000 00		60,000
7643	35,307 80	35,307 80		2,486 26		25,000
7703	9,368 82	9,368 82		2,595 51		12,000
7709	27,500 00	27,500 00				24,000
7715	90,000 00	80,000 00	10,000 00	30,000 00	2,000 00	175,000
7726	86,450 51	76,756 76	9,693 75			25,000
7735	600 00	500 00	150 00		450 00	2,500
7737	12,000 00	11,000 00	1,000 00			50,000
7740	15,000 00	16,000 00	4,000 00			50,000
7752	85,000 00	71,144 56				100,000
7754	1,000 00	1,000 00				2,000
7769	73,000 90	73,000 00	5,000 00	35,000 00	1,200 00	110,000
7772	19,812 00	12,751 76	1,716 00	578 00	610 00	35,000
7792	5,600 00	5,000 00	1,600 00			10,000
7795	2,500 00	2,500 00	1,000 00			5,000
7796	1,200 00	1,200 00		700 00	1,000 00	5,000
7824 1/2	6,500 00	7,000 00	1,500 00	300 00	500 00	3,500
7826 1/2	7,000 00	6,000 00	1,000 00	1,000 00	800 00	3,000
7862	1,200 00	1,200 00	100 00	250 00		10,000
7873	16,326 00	12,318 00	4,508 00	3,900 00	3,500 00	14,500
7875	61,400 00	65,200 00	9,400 00	15,036 91		39,300
7886	6,000 00	6,000 00	700 00	800 00	200 00	8,000
7893	4,000 00	4,000 00		1,000 00		4,000
7898	420 00	300 00	180 00	25 00		1,000
7918	3,000 00	3,000 00				6,000
7929	29,139 86	29,139 86			7,376 00	40,000
7930	21,000 00	20,000 00	1,000 00	450 00	100 00	25,000
7933	36,000 00	35,000 00	1,000 00	1,000 00	100 00	40,000
7938	4,000 00	4,000 00	1,200 00	375 00	1,200 00	5,000
7944	52,866 43	45,918 11	17,927 00	10,729 71	6,975 71	110,559
7956	29,605 26	20,933 10	4,965 40			10,000
7960	25,000 00	20,000 00		5,000 00		40,000
7961	30,000 00	30,000 00	1,500 00			60,000
8036	41,236 96	33,367 81	7,869 15	8,341 95	7,869 15	80,000
8112	15,000 00	15,000 00	1,000 00			10,000
8140	18,000 00	18,000 00	1,800 00			10,000
8395	21,000 00	12,000 00	9,000 00			25,650
8403	56,860 96	53,725 96	7,944 00	21,600 61	255 50	50,000
8607	45,000 00	45,000 00				75,000
8626	25,000 00	20,000 00	5,000 00	500 00	4,500 00	25,000
8693	30,000 00	30,000 00		4,000 00	4,000 00	5,500
8747	24,000 00	33,000 00				50,000
8760	40,000 00	48,000 00	2,000 00	2,000 00		20,000
8791	63,000 00	60,000 00	3,000 00			87,000
8820	45,000 00	45,000 00	600 00			8,000
8836	54,200 00	68,000 00	500 00			10,000
8894	20,000 00	20,000 00		8,000 00		8,000
9025	36,000 00	32,000 00	4,000 00			28,000
9064	81,650 45	81,650 45				100,000
9210	65,266 94	65,256 94				45,000
9259	75,210 00	73,960 00	7,250 00	31,523 00	2,100 00	30,000

TABLE I — BRICK AND TILE — Concluded.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
9266	\$20,000 00	\$20,000 00	\$400 00	\$1,000 00	\$400 00	\$30,000
9267	66,000 00	66,000 00	1,000 00	.....	.....	50,000
9268	45,000 00	45,000 00	5,000 00	.....	.....	30,000
9269	33,000 00	39,800 00	4,000 00	.....	.....	4,000
9415	12,837 00	11,340 00	1,497 00	.....	5,340 00	10,000
9550	11,332 11	11,332 11	.....	4,397 49	.....	2,500
9652	8,250 00	8,250 00	.....	1,200 00	.....	4,000
9971	6,000 00	5,000 00	1,000 00	.....	.....	10,000
Totals..... 222	\$8,167,273 34	\$8,762,772 33	\$1,797,081 73	\$1,792,310 73	\$422,613 35	\$18,306,169

TABLE II—BRICK AND TILE.

Giving Amount Paid in Wages and the Number Employed and the Salaries Paid Office Help for the Year 1901.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
90	\$1,500 00										
91	11,000 00	2	\$150 00								
92	6,000 00										
93	4,800 00										
94	8,968 00	1	100 00	1	\$35 00						
506	8,550 00					1	\$25 00				
1077	27,288 15	3	525 00	1	125 00	1	45 61	1	\$50 00	1	\$57 91
1078	36,678 35	1	208 33			1	83 33				
1722	5,780 00	1	75 00					1	20 00		
1723	2,600 00					1	45 00				
1724	57,000 00					1	75 00	1	40 00	2	72 00
1922	2,326 00	2	127 00							1	42 00
2174	1,137 50										
2175	1,663 15										
2179	6,500 00										
2225	14,934 40	2	163 33								
2226	22,646 05	1	83 33			1	75 00				
2227	14,500 00	1	100 00			1	40 00	1	25 00		
2228	34,847 02	2	300 00			1	50 00				
2229	7,000 00	1	60 00								
2230	15,000 00	1	50 00	1	83 33	1	33 33				
2615	42,401 98	2	275 00			1	125 00				
2659	4,030 00										
2763	17,789 40	6	340 00	2	150 00	1	48 00			1	24 00
3051	5,500 00										
3117	48,782 32	3	325 00	1	250 00	1	100 00			1	40 00
3233	50,000 00	2	500 00	1	250 00	1	100 00	1	30 00		
3488	4,961 50			1	125 00						
3497	572,407 59	30	4,000 00					10	750 00	6	300 00
3601	7,863 00	3	265 00					1	35 00		
3602	2,500 00										
3603	8,000 00										
3604	1,415 00										
3607	48,000 00	3	210 00			2	103 00				
3608	148,000 00	8	1,700 00	1	250 00	1	90 00	5	250 00	2	50 00
3611	14,712 33	3	150 00					2	75 00		
3654	1,800 00										
4001	15,020 18	1	100 00			1	100 00				
5002	15,750 00	3	280 00			1	25 00			1	30 00
5009	3,440 00										
5034	31,000 00	3	150 00	1	80 00	1	100 00	1	75 00	1	30 00
5038	96,000 00	4	435 00	1	200 00	1	70 00	1	100 00	1	40 00
5044	86,916 72					1	75 00			1	40 00
5048	27,000 00	2	225 00			1	125 00			1	40 00
5075	4,000 00					1	40 00				
5085	42,195 48	1	100 00	1	60 00	1	60 00	1	40 00	1	30 00
5087	82,687 04	1	133 33	1	100 00	1	60 00	1	40 00	1	40 00
5098	34,032 00	3	150 00	1	80 00	1	100 00	1	75 00	1	30 00
5106	11,118 20	3	180 00			1	50 00				
5115	1,152 00										
5152	3,100 00										
5157	19,436 16	1	75 00								
5191	2,800 00										
5220	22,100 00	3	300 00			2	150 00				
5229	10,230 00	1	41 66			1	41 66				
5230	12,582 49	2	241 67			1	50 00				
5234	15,000 00	2	250 00	1	75 00	1	50 00				
5235	12,000 00	1	100 00	1	60 00	1	75 00				
5241	30,000 00			1	115 00			1	50 00		
5276	27,000 00	3	270 85								
5308	2,252 00										
5330	14,664 79			3	375 00			1	45 00		
5346	500 00										
5362	4,000 00										
5377											
5409	800 00										
5413	4,000 00										
5417	29,630 17	2	241 67			1	125 00	1	40 00	1	30 00

* 13 establishments.

TABLE II — BRICK AND TILE — Concluded.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.
7534	\$500 00										
7543	1,210 00										
7556	4,320 00	1	\$35 00								
7581	600 00										
7591	3,772 94	1	75 00								
7592	2,625 44	1	60 00					1	\$50 00		
7601	19,324 37	2	230 00			1	\$60 00			1	\$15 00
7603	40,000 00	3	225 00	1	\$150 00	1	40 00			1	30 00
7615	13,000 00	2	120 00								
7616	30,590 25	2	150 00			1	15 00	1	60 00	1	30 00
7642	12,000 00	1	200 00	1	75 00	1	50 00				
7643	18,000 00	3	175 00	1	75 00	1	50 00				
7703	2,315 20	3	210 00								
7709	15,000 00	2	135 00								
7715	48,000 00	1	75 00								
7726	40,725 21	2	100 00	1	75 00	1	100 00	1	50 00	1	30 00
7735	232 00										
7737	8,000 00	2	125 00								
7740	9,600 00	1	50 00								
7752	35,786 52	1	250 00			1	60 00	1	50 00	1	40 00
7754	250 00										
7769	20,479 00	2	200 00			1	50 00				
7772	4,732 05	1	50 00	1	75 00	1	75 00	1	100 00	1	50 00
7792	3,000 00					1	10 00				
7795	900 00	1	50 00								
7796	227 50										
78241	3,000 00										
78267	3,000 00	1	75 00								
7862	450 00										
7873	14,500 00	1	50 00			1	50 00				
7875	22,461 25	1	100 00			1	40 00				
7886	3,100 00										
7893	1,700 00										
7898	57 50										
7918	1,500 00										
7929	17,169 76										
7930	9,315 00	1	70 00								
7933	21,000 00	1	70 00			1	60 00	1	36 00		
7938	1,200 00	1	40 00								
7944	13,148 26	2	175 00	1	55 00	1	33 33			1	15 00
7956	14,559 58	1	75 00								
7960	10,000 00	1	150 00								
7961	15,000 00	1	150 00								
8036	13,325 42	2	132 00	1	60 00	1	30 00				
8112	5,000 00										
8140	10,300 00	1	52 00								
8395	9,793 13	1	83 33			1	45 00				
8403	21,845 89	2	200 00	1	100 00	1	60 00			1	20 00
8607	20,000 00	2	250 00								
8626	13,500 00	2	100 00			1	30 00				
8693	6,000 00	2	230 00	1	15 00						
8747	14,400 00										
8760	17,000 00										
8791	19,865 00	2	200 00	1	100 00	1	100 00				
8820	15,000 00	2	100 00			1	75 00				
8886	30,500 00										
8894	8,000 00										
9025	22,000 00										
9064	52,314 34	2	260 00							1	37 50
9210	37,725 11	2	140 00							1	37 50
9259	21,150 00	1	200 00			1	50 00	1	12 00		
9266	15,638 94	2	156 00								
9267	30,000 00										
9268	18,800 00										
9269	12,300 00										
9415	3,620 00	2	100 00								
9550	4,827 00										
9652	800 00	1	36 00								
9652	800 00	1	36 00								
9971	3,000 00	1	54 00					1	56 00		
Totals, 222	\$3,530,686 98	245	\$26,534 91	38	\$4,648 33	76	\$4,503 43	63	\$3,159 00	43	\$1,531 91

TABLE III—BRICK AND TILE.

Giving the Number of Males and Females Employed Each Month, for the Year 1901.

Schedule number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
90									6	
91									40	
92									13	
93									11	
94									18	
506					14		14		37	
1077	34		49		55		67		14	
1078	70		70		50		65		70	
1722	2		2		2		4		72	
1723	2		2		3		4		17	
1724	100		98		110		116		20	
1022	7	2	6	3	7	6	10	5	118	6
2174									11	
2175							15		4	
2179									15	
2225	3		3		7		39		39	
2226	10		10		15		69		69	
2227	10		8		15		25		34	
2228							92		92	
2229									19	
2230	10		10		10		23		26	
2015	60		60		60		60		60	
2059	11		11		11		11		11	
2763	3		10		29	8	43	8	62	16
3051										
3117	97		97		97		97		97	
3253	107		103		98		96		118	
3488	10		10		10		20		20	
3497*	1,337	4	1,319	4	1,360	4	1,593	4	1,690	6
3601	29		25		30		15		40	
3602	5		4		16		17		21	
3603	30		10		30		35		35	
3604							2		12	
3607	119		119		119		119		119	
3608	388		388		388		388		388	
3611	36		40		43		39		39	
3654	2		2		2		18		18	
4001	16		16		16		16		16	
5002	27		27		27		27		27	
5009	7		7		7		7		7	
5034	65		65		65		65		65	
5038	195		195		195		195		195	
5044	180		183		195		201		198	
5048	90		90		90		90		90	
5075	2		2		2		2		12	
5085	75		75		75		75		75	
5087	149	1	155	1	158	1	156	1	161	1
5098	70		70		70		70		70	
5106	10		19		30		32		32	
5115										
5132	2		2		4		4		10	
5157	40		40		40		40		40	
5191							7		15	
5220	50		50		50		50		50	
5229	26		28		21		28		36	
5232	36		34		40		39		40	
5234	40		40		40		40		40	
5235	30		30		30		30		30	
5241	69		70		72		75		82	
5276	51		50		51		52		54	
5308	1		1		1		1		10	
5330	34		33		36		38		38	
5346										
5362	2		2		10		25		25	
5377	1		1		1		1		1	
5409									7	
5413	4		4		4		4		25	
5417	48		42		39		72		97	
5434										
5529	1		1		1		10		10	

* 13 establishments.

TABLE III—BRICK AND TILE—Continued.

Schedule number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
5617	17		17		17		25		28	
5671							14		14	
5683	28		28		28		28		28	
5699	31		26		23		25		27	
5734	16		14		18		17		18	
5741	8		4		10		20		36	
5757	8		8		8		8		8	
5769	10									
5816	25		25		25		25		25	
5854	1		1		2		10		20	
5942½	40		40		40		40		40	
5947							15		18	
5955					20		25		25	
6014					30		30		30	
6032	3		3		3		31		31	
6038					6		6		6	
6085					32		32		32	
6106	57		57		57		57		57	
6136							6		6	
6151									22	
6187							8		8	
6226							18		18	
6368	2		2		30		40		40	
6573									15	
6574									12	
6582	1		1		1		1		11	
6700	30		30		30		45		45	
6735	4		4		4		4		35	
6738	7		7		7		35		35	
6796	3		3		3		5		9	
6814	1		1		1		12		12	
6816									4	
6846½									20	
6880	30		30		30		30		30	
6971							16		16	
6986	167	246	154	239	189	239	207	256	210	257
6989			6		7		18		27	
6996	53		64		90		96		101	
7006	77	81	77	81	77	81	77	81	77	81
7009							8		50	
7034	1		1		1		4		13	
7061									15	
7136	13		13		13		13		13	
7183	8		8		8		8		8	
7184									2	
7186									2	
7191							2		8	
7214	70		66		78		74		70	
7224									4	
7256	6		6		6		6		6	
7271							9		9	
7272	2		2		2		10		10	
7284							6		6	
7309	14		14				20		20	
7314	17		27		32		56		56	
7320	76		76		76		76		76	
7336							5		14	
7338	33		36		37		41		36	
7340									1	
7357	6		8		8		12		22	
7364									7	
7379	33		33		33		33		33	
7391	33		28		10		42		43	
7399	2		2		4		10		20	
7412	4		4		6		6		6	
7422	23		21		20		25		20	
7454							11		11	
7491							4		10	
7512	8		8		14		14		14	
7516										
7517							3		3	
7534									4	
7543										
7556	7		7		7		7		7	
7581							6		6	
7591	8		9		9		10		10	

TABLE III—BRICK AND TILE—Continued.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
29		27		28		24		16		18		18	
14		14		14		14		14					
23		23		28		28		28		28		28	
29		28		27		20		12		14		13	
19		18		16		16		13		13		18	
36		32		36		36		28		12		12	
										8		8	
10		10		10		10		10				8	
25		25											
18		21		19		20		10		1		1	
40		40		40		40		40		40		40	
18		18		18		16		16		4			
26		27		27		27		25		25		5	
30		30		30		30		30		30			
31		31		31		31		31		3		3	
6		6		6		6		6		6			
32		32		32		32		32		32			
57		57		57		57		57		57		57	
6		6		6		6							
22		22		22									
9		9		10		8		8					
18		18		18		18		6		4			
40		40		40		40		40		40		20	
15		15		15									
12		12		12		12							
11		11		11		11		1		1		1	
45		45		45		45		45		45		45	
35		35		35		35		20				4	
35		35		35		35		35		7		7	
9		9		9		9		9		3		3	
12		12		12		12		1		1		1	
4													
20		20		20		20		20					
30		30		30		15		15					
16		16		16		16		16		16		16	
215	253	233	271	237	259	226	248	215	257	214	262	213	260
42		47		45		61		61		52		35	
105		94		96		96		90		96		95	
77	81	77	81	77	81	77	81	77	81	77	81	77	81
58		60		55		59		61		50		15	
13		4		8		8		1		1		1	
25		18											
13		13		13		13		13		13		13	
8		8		8		8		8		8		8	
2													
2		2		2		2		2					
8		8		8		8		3					
71		79		83		77		77		77		68	
4		4		4		4							
6		6		6		6		6		6		6	
9		9		9		9		9					
10		10		10		10		10		10		4	
6		6		6									
20		20		20		10		10					
50		56		40		56		40		50		8	
76		76		76		76		76		76		76	
14		14		14		12		10					
37		35		38		37		37		33		29	
5		2		5		6		1					
22		6		8		22		22		8		4	
7		7		7		7							
33		33		33		33		33		33		33	
50		44		50		40		47		44		43	
24		24		26		26		20		4		2	
6		6		6		6		6					
21		22		26		24		21		19		20	
11													
10		10		10		10		10		6			
14		14		14		14		14		8		8	
		6		6									
3		3		3		3		3		3		3	
		4		4									
6		12		12		12							
7		7		7		7		7		7		7	
6		6		6		6		6					
11		11		12		11		12		12		13	

TABLE III—BRICK AND TILE—Concluded.

Schedule number.	January.		February.		March.		April.		May.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
7592	9		2		1		4		9		
7601	50		52		54		51		52		
7603	40		44		39		59		88		
7615	28		23		28		29		29		
7616	75	2	75	2	75	2	75	2	75	2	
7642	40		40		40		40		40		
7643	45		48		46		50		49		
7703	6		6		6		10		10		
7709	40		40		41		42		40		
7715	76		76		76		76		76		
7726	105		112		113		116		113		
7735											
7737											
7740	18		17		18		20		21		
7752	59		56		56		65		70		
7754									2		
7769	44		42		43		45		46		
7772	4		2		4		16		20		
7792									20		
7795							1		4		
7796									5		
7824½	3		3		3		4		16		
7826½	15		3						17		
7862									5		
7873	29		30		28		28		25		
7875	44		50		52		47		53		
7886							6		15		
7893							3		6		
7898											
7918									10		
7929	32		34		24		30		38		
7930	18		16		18		21		24		
7933	32		34		40		40		42		
7938							5		5		
7944	38	1	36	1	42	1	44	1	40	1	
7956							42		42		
7960	25						25		25		
7961	30		30		30		30		30		
8036	31		31		35		35		35		
8112									21		
8140	5		5		5		10		25		
8395	4		4		5		25		40		
8403	44	1	42	1	45	1	46	1	51	1	
8607	35		35		35		35		35		
8626	33		36		37		41		36		
8693	8		8		8		8		8		
8747					38		38		33		
8760			34		34		34		34		
8791	34		34		34		34		34		
8820	37				37		37		37		
8886	56				56		56		56		
8894	5		5		5		34		34		
9025	34		34		34		34		34		
9064	100		100		100		100		100		
9210	80		80		80		80		80		
9259	34		35		35		36		36		
9266	4		4		4		25		32		
9267					59		59		59		
9268					33		33		33		
9269					24		24		24		
9415	5		6		5		8		8		
9550							17		21		
9652									11		
9971	25		25		40		42		100		
Totals.....	222	6,310	338	6,167	332	6,768	343	8,109	359	9,080	371

NOTE.—Average per month: Males, 8,081; females, 363.

TABLE III—BRICK AND TILE—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
24	33	.....	25	.....	26	.....	6	.....	5	.....	3	.....
51	48	.....	65	.....	63	.....	55	.....	55	.....	58	.....
83	107	.....	107	.....	107	.....	107	.....	92	.....	58	.....
29	30	.....	30	.....	30	.....	29	.....	29	.....	28	.....
75	2	75	2	75	2	75	2	75	2	75	2	75	2
40	40	.....	40	.....	40	.....	20	.....	20	.....	20	.....
51	53	.....	50	.....	54	.....	49	.....	47	.....	46	.....
10	10	.....	10	.....	10	.....	6	.....	6	.....	6	.....
43	44	.....	45	.....	42	.....	40	.....	40	.....	38	.....
76	76	.....	76	.....	76	.....	76	.....	76	.....	76	.....
127	135	.....	153	.....	129	.....	122	.....	120	.....	119	.....
35	35	.....	35	.....	35	.....	35	.....	35	.....	5	.....
24	25	.....	24	.....	24	.....	22	.....	21	.....	21	.....
82	83	.....	81	.....	42	.....	60	.....	62	.....	65	.....
2	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....
41	45	.....	46	.....	44	.....	45	.....	43	.....	44	.....
19	42	.....	40	.....	25	.....	18	.....	17	.....	17	.....
20	20	.....	20	.....	20	.....	20	.....	20	.....	20	.....
4	4	.....	5	.....	5	.....	4	.....	3	.....	1	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
16	16	.....	16	.....	16	.....	16	.....	8	.....	4	.....
20	20	.....	20	.....	15	.....	15	.....	15	.....	15	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
21	27	.....	32	.....	32	.....	28	.....	26	.....	28	.....
53	53	.....	52	.....	51	.....	52	.....	51	.....	52	.....
15	15	.....	15	.....	15	.....	10	.....	10	.....	10	.....
6	6	.....	6	.....	6	.....	6	.....	4	.....	4	.....
4	4	.....	4	.....	4	.....	4	.....	4	.....	4	.....
10	10	.....	10	.....	10	.....	10	.....	10	.....	10	.....
40	42	.....	42	.....	42	.....	38	.....	38	.....	32	.....
24	23	.....	23	.....	23	.....	23	.....	23	.....	23	.....
44	44	.....	44	.....	44	.....	33	.....	32	.....	30	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
38	1	38	1	37	1	39	1	41	1	35	1	29	1
42	42	.....	42	.....	42	.....	42	.....	42	.....	42	.....
25	25	.....	25	.....	25	.....	25	.....	25	.....	25	.....
30	30	.....	30	.....	30	.....	30	.....	30	.....	30	.....
42	42	.....	42	.....	42	.....	51	.....	51	.....	51	.....
21	21	.....	21	.....	21	.....	21	.....	21	.....	21	.....
30	30	.....	30	.....	30	.....	25	.....	5	.....	5	.....
40	40	.....	40	.....	40	.....	40	.....	23	.....	15	.....
55	1	61	1	76	1	84	1	89	1	88	1	72	1
35	35	.....	35	.....	35	.....	35	.....	35	.....	35	.....
37	35	.....	38	.....	37	.....	37	.....	33	.....	29	.....
8	8	.....	8	.....	8	.....	8	.....	3	.....	8	.....
38	38	.....	38	.....	38	.....	38	.....	38	.....	38	.....
34	34	.....	34	.....	34	.....	34	.....	34	.....	34	.....
34	34	.....	34	.....	34	.....	34	.....	34	.....	34	.....
37	37	.....	37	.....	37	.....	37	.....	37	.....	24	.....
56	56	.....	56	.....	56	.....	56	.....	56	.....	56	.....
34	34	.....	34	.....	34	.....	34	.....	5	.....	5	.....
34	34	.....	34	.....	34	.....	34	.....	34	.....	34	.....
100	100	.....	100	.....	100	.....	100	.....	100	.....	100	.....
80	80	.....	80	.....	80	.....	80	.....	80	.....	80	.....
26	26	.....	26	.....	26	.....	26	.....	26	.....	26	.....
32	32	.....	32	.....	32	.....	32	.....	15	.....	5	.....
59	59	.....	59	.....	59	.....	59	.....	59	.....	59	.....
33	33	.....	33	.....	33	.....	33	.....	33	.....	33	.....
24	24	.....	24	.....	24	.....	24	.....	24	.....	24	.....
7	8	.....	8	.....	7	.....	9	.....	8	.....	8	.....
22	24	.....	24	.....	24	.....	10	.....	5	.....	2	.....
11	11	.....	11	.....	11	.....	11	.....	11	.....	11	.....
100	100	.....	100	.....	100	.....	25	.....	25	.....	25	.....
9,303	368	9,354	386	9,314	371	9,137	359	8,631	369	7,742	379	7,112	384

TABLE IV—BRICK AND TILE.

Giving by Occupations Number Employed, Average Number of Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1901.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bank men	9	155	\$2 14	\$331 70	9
Barn men	2	246	1 62	398 52	10
Bisque kiln hands.....	23	300	2 00	600 00	10
Blacksmiths	44	276	2 40	662 40	10
Blacksmiths' helper	1	295	1 50	442 50	10
Blaster	1	216	1 15	248 40	10
Box shop department hands.....	2	300	1 50	450 00	10
Branch makers	4	303	2 12	642 36	9.7
Brick drawers	62	277	2 13	590 01	9.8
Brick handlers	22	315	1 45	456 75	10
Bricklayers	14	301	2 75	827 75	9.8
Brick makers	1,739	280	1 60	368 00	9.7
Brick masons	4	253	2 62	661 86	10
Brick setters	176	246	1 72	423 12	9.2
Bumper	1	150	1 50	225 00	10
Burners	216	257	2 00	514 00	10.7
Car loaders	99	290	1 55	449 50	9.7
Car men	16	250	1 55	387 50	9.5
Carpenters	56	284	2 70	766 80	10
Carriers	2	300	1 20	360 00	7
Cart boys	3	335	85	284 75	10
Cast men	11	139	1 63	226 57	9.3
Clay haulers	18	270	2 25	607 50	9.7
Clay miners	164	279	1 70	474 30	9.4
Clay shovelers	25	165	1 54	254 10	10
Clay workers	174	299	1 59	475 41	9.5
Coal miners	11	303	2 06	624 18	8
Coopers	4	300	2 50	750 00	10
Chemists	2	303	1 10	333 30	10
Crane men	2	205	2 00	410 00	9.5
Crushers	6	262	1 76	461 12	9
Cutters	4	156	1 50	234 00	10
Decorators	3	300	1 50	450 00	11
Designers	5	303	1 33	402 99	9
Dippers and helpers.....	6	244	1 00	244 00	10
Pallett boys	10	184	76	139 84	9.4
Pan men	59	272	1 43	388 96	9.5
Pasters	3	303	1 10	333 30	10
Picker	1	156	1 66	258 96	10
Pipe finishers	6	295	1 60	472 00	10
Pipe setters	12	312	1 35	421 20	9.5
Pitchers	10	260	1 33	345 80	9.8
Pit fillers	15	163	1 72	263 16	9.3
Planers	3	244	1 50	366 00	10
Preparers	11	303	1 30	393 90	10
Pressmen	207	291	1 71	497 61	9.7
Press oilers	2	312	1 50	468 00	9.5
Press room boys.....	27	300	61	183 00	10
Press tenders	2	313	1 20	375 60	10
Pug mill hands.....	9	250	1 29	322 50	8.8
Pushers	2	308	1 25	385 00	10
Quarrymen	12	205	1 50	307 50	10
Rackers	5	151	1 99	300 49	9.8
Railroad men	3	295	2 00	590 00	12
Roll feeder	1	335	1 60	536 00	10
Roofers	4	287	1 25	358 75	10
Sagger makers	7	264	2 56	675 84	9.8
Sample maker	1	303	1 25	378 75	10
Sand boys	10	195	93	181 35	9.2
Sanders	11	173	1 51	261 23	9.2
Screen hands	4	248	1 15	285 20	9.8
Section men	4	295	1 35	398 25	10
Setters	22	291	1 76	512 16	9.8
Shader	1	295	2 00	590 00	10

TABLE IV — BRICK AND TILE — Continued.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Shale bank hands.....	25	264	\$1 70	\$448 80	9.6
Shale haulers	5	200	1 10	220 00	10
Saed men	15	267	2 13	568 71	10.5
Shelver	1	115	1 50	172 50	8
Sorters	15	302	1 51	456 02	9.6
Strikers	10	183	1 60	292 80	9.4
Stockkeepers	13	303	1 01	306 03	10
Takers-off	2	300	75	225 00	7
Teamsters	135	294	1 77	361 08	10.2
Temperers	34	213	1 60	340 30	9
Temperers' helper	1	308	1 25	385 00	10
Terra cotta makers.....	10	305	1 40	427 00	10
Tile makers	69	210	1 45	304 50	10
Tinners	4	287	2 50	717 50	8
Tossers	21	286	2 23	637 78	9.7
Track men	2	200	1 50	300 00	10
Transfer men	19	296	1 47	435 12	10
Trimmers and spongers.....	5	312	1 75	546 00	9.5
Truckers	78	193	1 50	289 50	9
Tub tenders	4	148	1 90	281 20	10
Turners and truckers.....	14	312	1 35	421 20	9.5
Turn table boys.....	2	156	58	90 48	10
Unloader	1	200	1 10	220 00	10
Wad and spur department hands.....	5	300	1 50	450 00	10
Watchmen	43	275	1 50	412 50	10
Wheelers	169	234	1 59	372 06	9.5
Yardmen	169	283	1 51	427 33	9.8
Totals and averages.....	9,018	254	\$1 59	\$403 86	9.8

TABLE IV — BRICK AND TILE — Concluded.

Occupation — Female.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Assorters	132	301	\$0 71	\$213 71	10
Decorators	17	300	80	240 00	10
Designers	4	303	73	221 19	9.5
Edgers	8	244	75	183 00	10
Glaze department hands.....	47	300	90	270 00	10
Grinder	1	300	75	225 00	10
Kiln placers	15	300	1 00	300 00	10
Mosaic department hands.....	12	300	80	240 00	10
Pasters	14	303	63	190 89	10
Pressers	38	287	62	177 94	10
Sizers and sorters.....	10	244	58	133 52	10
Tile makers	4	175	70	122 50	9
Totals and averages.....	302	293	\$0 74	\$216 82	10

TABLE V—BRICK AND TILE.

Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1901.

Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Barn man	1	8	...	Mine boss	1	14	...
Bisque kiln hands.....	28	15	...	Miners	21	18	...
Blacksmiths	5	11	...	Modeler	1	15	...
Blacksmiths' helper	1	10	...	Mosaic workers	8	15	...
Box shop hands.....	2	15	...	Moulders	7	7	...
Branchers	2	10	...	Mould washer	1	12.6	...
Brick handlers	6	7.5	...	Off-bearers	13	10	...
Bricklayers	9	10.5	...	Packers	29	15.5	...
Brick makers	777	12.4	...	Pallett boys	5	12	...
Brick setters	84	11.3	...	Pan men	20	11.2	...
Burners	75	12.5	...	Pasters	3	17	...
Car loaders	26	9.8	...	Picker	1	12.6	...
Car men	6	20	...	Pipe finishers	6	10	...
Carpenters	19	12.6	...	Preparers	11	17	...
Cart boys	3	13	...	Pressmen	26	15.5	...
Cart men	4	11	...	Pug mill hand.....	1	8	...
Chemists	3	17	...	Packers	2	10.9	...
Clay haulers	4	20	...	Roll feeder	1	8.3	...
Clay miners	81	11.4	...	Sagger makers	5	15	...
Coal miners	4	10	...	Sample maker	1	17	...
Coopers	4	15	...	Sand boys	2	13.5	...
Crane man	1	14	...	Sanders	4	9.5	...
Crusher men	3	3.4	...	Screeners	3	19	...
Decorators	3	15	...	Shale bank hands.....	21	10	...
Designers	5	17	...	Shale haulers	5	15	...
Drum man	1	11	...	Shed men	5	13.4	...
Dumpers	5	8.3	...	Shovelers	3	11.5	...
Dyers	2	8.3	...	Sorters	4	17	...
Edgers	5	10.3	...	Strikers	5	26.2	...
Engineers	40	10.6	...	Stockkeepers	13	17	...
Feeders	2	15	...	Teamsters	20	8.2	...
Finisher	1	7	...	Temperers	2	20	...
Firemen	41	10	...	Terra cotta makers.....	10	10	...
Foremen	5	13	...	Tile makers	33	11	...
Glazers	50	16	...	Tossers	2	15	...
Grinders	30	15	...	Truckers	24	10.5	...
Hackers	3	20	...	Turn table boys.....	2	12.6	...
Kiln hands	5	10	...	Tub tenders	2	15	...
Kiln placers	9	15	...	Wad and spur dept. hands....	5	15	...
Laborers	778	10	...	Wheelers	36	9.8	...
Machine hands	11	9.7	...	Yardmen	24	7.6	...
Machinists	21	11.7	...				
Mill men	12	8.7	...				
Millwright	1	7.5	...				
				Total and average.....	2,580	11.7	...

TABLE V—BRICK AND TILE—Concluded.

Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.	Occupation — Female.	Number of employees.	Advanced per cent.	Reduced per cent.
Assorters	99	15	...	Pasters	14	17	...
Decorators	3	15	...	Pressers	28	17	...
Designers	4	17	...	Sorters	33	17	...
Glazers	47	15	...	Tile makers	4	17	...
Grinder	1	15	...				
Kiln placers	15	15	...				
Mosaic workers	12	15	...	Total and average.....	290	15.6	...

PART VI.

Liquors—Malt and Distilled.

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MANUFACTURE OF LIQUORS—MALT AND DISTILLED—FOR 1901, WITH COMPARISONS FOR 1900.

STATE SUMMARY.

Classification.	1900.	1901.	Increase.	Decrease.
Number of establishments reporting	92	127	35	
Number of males employed (monthly average)	3,473	4,071	598	
Number of females employed (monthly average)	196	219	23	
Number employed, managers, office help, etc. (monthly average)	680	833	153	
Amount of capital invested	\$36,151,234 00	\$38,257,982 00	\$2,106,698 00	
Value of goods manufactured	19,866,764 40	24,776,322 10	4,909,557 70	
Value of goods sold	*	25,940,096 05		
Value of materials used	7,269,594 07	9,688,349 58	2,418,755 51	
Value of manufactured goods on hand at end of year	3,550,471 97	4,851,447 84	1,300,975 87	
Value of materials on hand at end of year	1,944,698 01	2,070,335 75	125,637 74	
Amount paid in wages for labor	2,596,880 20	2,894,104 42	297,224 22	
Amount paid managers, office help, etc	1,087,829 76	1,316,543 16	288,713 40	
Number affected by advance in wages	253	214		39
Number affected by reduction in wages	24			24
Average per cent. advance in wages	8.6	15.9	7.3	
Average per cent. reduction in wages	3.2			3.2

* Question omitted.

TABLE I—LIQUORS, MALT AND DISTILLED.

Giving Value of Goods Manufactured and Sold, the Value of Materials Used in 1901, the Value of Manufactured Articles and Materials on Hand January 1st, 1902, and the Capital Invested.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand Jan. 1st, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand Jan. 1st, 1902.	Capital invested.
411	\$61,401 43	\$61,401 43		\$56,969 67	\$1,252 62	\$500,000
412	789,800 00	780,793 00	12,000 00	632,390 40	39,000 00	200,000
413	1,300 000 00	1,500,000 00	50,000 00	1,000,000 00	50,000 00	600,000
414	500,000 00	700 000 00	62,000 00	375,000 00	65,000 00	200,000
415	1,100,000 00	1,100 000 00	50,000 00	950,000 00	40,000 00	350,000
416	290,000 00	800,000 00	7,600 00	226,000 00	54,000 00	200,000
417	456,000 00	37,000 00	37,000 00	340,000 00	33,000 00	180,000
418	665,653 29	664,279 29	124,842 00	80,977 00	4,879 68	1,000,000
419	63,855 51	62,975 51	9,500 00	18,932 41	1,292 66	132,200
420	68,500 00	169,062 00	38,562 00	31,613 00	1,807 00	128,600
421	292,985 00	315,191 00	74,766 00	44,426 00	26,005 00	600,000
422	56,973 00	185,287 50	7,741 00	33,299 43	9,695 37	103,916
424	568,250 00	607,000 00	146,250 00	173,500 00	50,000 00	1,000,000
425	168,516 00	161,669 25	32,169 35	51,984 21	4,142 43	600,000
426	239,973 00	220,242 00	57,408 00	38,952 00	5,120 00	397,000
427	255,513 00	236,638 00	18,875 00	46,151 00	4,458 00	500,000
428	164,000 00	173,000 00	27,875 00	62,838 00	14,374 00	600,000
429	71,520 00	152,857 73	13,024 00	23,910 30	15,980 80	226,000
430	97,750 00	99,850 00	15,465 00	27,400 00	3,390 00	200,000
431	60,000 00	58,000 00	2,000 00	8,000 00	1,000 00	150,000
432	89,600 00	85,000 00	25,000 00	33,350 00	1,400 00	300,000
433	1,889,000 00	1,841,000 00	457,500 00	391,700 00	69,200 00	1,000,000
434	298,700 00	336,828 00	97,800 00	68,475 00	35,224 00	133,000
435	289,554 00	285,482 00	62,178 00	58,302 00	3,557 00	100,000
436	240,000 00	200,000 00	65,000 00	60,000 00	3,700 00	150,000
437	136,941 00	154,332 00	24,255 00	22,731 00	1,596 00	250,000
438	440,320 00	463,875 00	170,842 00	172,248 00	112,437 00	1,000,000
1295	185,000 00	185,000 00	35,000 00	52 000 00		500,000
1296	20,000 00	18,000 00	9,000 00	7,000 00	8,000 00	35,000
1297	414,000 00	336,000 00	78,000 00	99,900 00	8,420 00	500,000
1298	15,000 00	12,000 00	3,000 00	3,000 00	100 00	50,000
1299	882,878 00	872,883 00	36,470 00	463,847 00	46,143 00	2,000,000
1300	1,475,307 50	1,468,272 20	251,154 40	386,102 74	24,537 12	6,000,000
1301	313,060 00	286,344 00	47,988 00	134,708 72	5,407 29	200,000
1302	108,165 00	102,000 00	15,193 00	45,000 00	19,593 00	45,100
1795	1,215,100 00	1,187,500 00	143,086 00	275,446 00	213,523 00	500,000
1796	437,066 11	437,066 11	85,111 00	122,101 88	26,507 65	425,000
1797	201,785 00	49,850 00	47,450 00	58,725 00		250,000
1798	113,320 00	111,356 00	25,452 00	23,000 00	5,000 00	100,000
2039	100,716 00	93,558 35	4,778 40	36,708 30	1,900 37	200,000
2040	251,554 35	281,186 85	20,367 50	41,914 90	301 04	800,477
2041	143,000 00	138,880 00	42,635 00	59,210 00	51,275 00	600,000
2042	164,010 00	153,054 00	25,865 40	26,332 71	1,504 32	200,000
2043	3,500 00	2,200 00	1,000 00	1,000 00	1,500 00	5,000
2044	22,500 00	19,670 00	8,130 00	8,468 00	4,360 00	50,000
2045	45,481 00	48,416 00	3,062 50	16,865 48	3,786 23	100,000
2154	224,000 00	650,000 00	300,000 00	70,000 00	10,000 00	500,000
2280	505,050 00	501,153 00	104,545 00	89,092 21	108,262 59	400,000
2281	404,383 80	400,998 60	60,112 80	92,823 75	10,000 00	800,000
2282	135,800 00	136,122 00	11,586 00	24,020 53	3,717 02	100,000
2283	305,000 00	210,000 00	95,000 00	115,000 00	95,000 00	300,000
2284	250,000 00	240 000 00	1,000 00	16,000 00	20,000 00	250,000
2359	136,600 00	123,000 00	215,600 00	81,400 00		200,000
2512	54,000 00	71,500 00	9,000 00	22,000 00	2,000 00	60,000
2513	65,000 00	9,000 00	9,000 00	26,000 00	4,700 00	100,000
2566	58,000 00	56,000 00	2,000 00	15,000 00	2,000 00	100,000
2573	184,000 00	175,000 00	25,000 00	42,038 38	45,686 74	72,450
2625	35,000 00	35,000 00	3,000 00	15,000 00	5,000 00	30,000
2626	30,000 00	25,000 00	3,500 00	10,000 00	1,500 00	50,000
2666	165,050 00	148,086 00	29,490 00	39,954 19	2,100 00	150,000
2691	30,000 00	49,000 00	5,000 00	12,000 00	4,000 00	40,000
2710	30,000 00	28,000 00	2,000 00	2,000 00	16,000 00	40,000
2736	400,000 00	400,000 00	110,000 00	45,000 00	45,000 00	250,000
2737	123,090 00	122,040 00	13,200 00	26,531 81	2,798 67	100,000

TABLE I—LIQUORS, MALT AND DISTILLED—Concluded.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand Jan. 1st, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand Jan. 1st, 1902.	Capital invested.
2811	\$75,000 00	\$70,000 00	\$9,000 00	\$15,000 00	\$1,500 00	\$60,000
2820	58,000 00	4,000 00	6,000 00	11,000 00	8,200 00	50,000
2841	18,000 00	16,500 00	1,500 00	4,000 00	4,000 00	25,000
2885	208,670 00	193,022 37	32,270 00	38,250 00	1,975 00	200,000
2901	25,000 00	20,000 00	5,000 00	15,000 00	2,000 00	40,000
2915	63,500 00	52,000 00	11,500 00	12,000 00	13,500 00	100,000
2940	8,000 00	8,000 00	1,100 00	1,500 00	1,800 00	5,000
2953	99,120 00	104,405 00	17,773 00	15,030 00	2,500 00	75,000
2960	14,000 00	13,000 00	3,000 00	3,080 00	3,000 00	15,000
2965	14,062 50	12,765 00	1,297 50	2,291 98	1,330 28	35,000
2984	21,560 00	31,581 00	8,808 00	6,597 00	3,119 00	100,000
2993	25,233 39	17,645 73	17,588 63	16,343 42	18,188 63	150,000
2999	85,000 00	75,000 00	10,000 00	18,000 00	4,500 00	100,000
3032	85,000 00	26,000 00	75,000 00	23,000 00	20,000 00	50,000
3033	369,122 25	790,962 76	155,136 00	265,430 25	78,543 00	6,000,000
3043	20,134 78	81,074 14	68,882 11	81,074 14	.....	108,500
3053	12,000 00	12,000 00	15,000 00	17,000 00	17,000 00	45,000
3061	194,268 00	201,238 00	54,777 00	54,040 00	12,094 00	650,000
3173	9,845 00	8,805 00	1,100 00	3,900 00	1,000 00	30,000
3198	96,000 00	93,000 00	24,600 00	25,000 00	3,500 00	121,000
3204	180,000 00	160,000 00	16,000 00	31,700 00	19,800 00	150,000
3212	125,000 00	120,000 00	20,000 00	40,000 00	25,799 23	165,300
3232	6,000 00	5,000 00	700 00	4,000 00	500 00	20,000
3297	25,000 00	20,000 00	5,000 00	12,500 00	3,000 00	25,000
3373	205,000 00	225,000 00	80,000 00	154,144 00	12,560 00	200,000
3390	49,392 00	49,610 75	11,966 50	10,131 00	4,306 80	94,739
3396	26,000 00	24,700 00	5,940 00	7,000 00	5,000 00	38,000
3408	60,000 00	62,000 00	10,000 00	25,000 00	9,800 00	50,000
3442	66,300 00	64,700 00	11,500 00	15,295 17	13,700 00	100,000
5359	48,900 00	91,000 00	3,500 00	14,222 00	8,479 00	80,000
5378	96,269 00	79,237 00	17,082 00	12,000 00	3,080 00	200,000
5381	11,992 50	10,872 75	477 00	3,012 85	324 00	15,000
5508	15,000 00	10,111 03	15,000 00	3,500 00	16,200 00	8,900
5674	70,000 00	60,000 00	6,000 00	15,000 00	4,000 00	50,000
5758	46,628 00	47,006 00	11,058 00	8,000 00	2,200 00	75,000
5962	80,000 00	75,000 00	5,000 00	28,000 00	1,500 00	48,000
6045	30,000 00	60,000 00	7,500 00	15,000 00	1,500 00	125,000
6116	46,950 00	44,796 00	5,067 00	18,908 00	7,647 00	100,000
6299	40,000 00	35,000 00	4,000 00	20,000 00	1,000 00	50,000
6434	25,000 00	25,000 00	25,000 00	12,500 00	.....	100,000
6435	81,359 16	82,033 55	98,386 67	40,679 58	9,276 03	107,800
6445	50,000 00	40,000 00	50,000 00	10,000 00	50,000 00	50,000
6463	6,000 00	8,500 00	9,000 00	4,000 00	9,000 00	10,000
6468	4,000 00	3,000 00	500 00	1,000 00	1,000 00	5,000
6480	92,977 53	151,092 01	51,608 18	142,599 43	51,608 18	70,000
6490	2,450 00	2,000 00	6,700 00	1,480 65	6,700 00	4,000
6492	112,000 00	112,000 00	20,000 00	60,000 00	8,000 00	100,000
6675	41,939 00	40,167 60	2,111 40	16,800 90	436 00	80,000
6761	11,500 00	33,382 95	8,157 50	10,269 80	2,000 00	50,000
6776	9,720 00	23,450 00	2,316 00	9,406 60	5,300 00	50,000
6798	35,000 00	.....	.....	6,000 00	.....	25,000
7307	22,000 00	25,000 00	5,000 00	18,700 00	4,200 00	50,000
7541	52,000 00	72,000 00	51,000 00	42,000 00	55,000 00	118,000
7868	150,000 00	160,000 00	5,000 00	145,000 00	5,000 00	50,000
8297	2,500 00	6,000 00	2,000 00	2,500 00	2,000 00	25,000
8408	24,887 00	19,299 00	11,816 00	6,301 81	255 95	250,000
9276	106,300 00	116,000 00	35,700 00	51,600 00	6,000 00	175,000
9320	90,000 00	125,000 00	10,000 00	7,000 00	2,000 00	25,000
9463	612,350 00	622,500 00	6,850 00	595,750 00	7,250 00	200,000
9531	298,700 00	336,828 00	97,800 00	68,475 00	35,224 00	133,000
9788	6,000 00	5,905 59	6,000 00	2,500 00	.....	7,000
9886	100,000 00	90,000 00	10,000 00	70,000 00	12,000 00	100,000
9916	125,000 00	175,000 00	10,000 00	90,000 00	10,000 00	15,000
Totals, 127	\$24,776,322 10	\$25,940,096 05	\$4,851,447 84	\$9,688,349 58	\$2,070,335 75	\$38,257,982

TABLE II — LIQUORS, MALT AND DISTILLED — Concluded.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Mo. salary.
2915	\$9,300 00	1	\$100 00			2	\$150 00				
2940	1,408 50	1	85 00								
2953	10,216 00	2	275 00	1	\$100 00	1	86.66				
2960	3,120 00										
2965	1,800 00	1	100 00			1	30 00				
2984	5,637 98	1	125 00			1	80 00	1	\$40 00		
2993	4,953 98	1	75 00	1	100 00	1	50 00			1	\$25 00
2999	19,185 75	2	267 00	1	125 00	1	50 00	1	25 00		
3032	2,600 00	2	225 00							1	35 00
3033	57,151 80	6	1,078 00	4	400 00	3	265 00	2	110 00		
3043	3,150 50	1	75 00	2	200 00	2	200 00			1	50 00
3053	1,700 00	1	166 66	1	50 00	1	35 00				
3061	38,411 00	2	300 00	3	400 00	2	300 00	2	170 00		
3173	2,500 00	1	80 00			1	60 00				
5198	16,000 00	2	260 00	1	70 00	2	170 00				
3204	43,700 00	1	150 00			3	210 00				
3212	12,602 81	1	416 67	1	80 00	1	100 00				
3232	2,100 00										
3227	4,800 00					1	36 00				
3373	39,169 00	2	260 00			1	50 00	1	40 00		
3390	4,808 25	1	90 00	4	370 00	1	75 00				
3396	3,180 00					1	35 00				
3408	10,000 00	1	100 00	1	60 00	1	40 00				
3442	12,050 50	1	125 00			1	65 00				
5359	9,608 28	2	166 67	1	100 00	1	83 33	1	75 00		
5378	13,500 08	2	300 00			1	75 00	1	40 00		
5381	3,120 00										
5508	2,510 00			4	300 00	1	25 00				
5674	8,000 00	3	375 00			1	75 00				
5753	7,825 00	1	125 00			1	85 00	2	100 00		
5962	8,736 00					1	48 00				
6045	8,000 00	2	225 00	1	100 00	1	60 00				
6116	9,687 00	2	300 00	1	75 00	1	83 00	1	56 00		
6299	5,000 00										
6434	4,000 00			1	150 00	1	60 00				
6435	6,276 34	2	208 34	7	584 36	1	35 00	1	15 00	1	20 00
6445	6,762 30	2	100 00	1	50 00	1	30 00				
6463	650 00										
6468	260 00			1	75 00						
6486	11,675 71			1	100 00					1	30 00
6490	38 55										
6492	6,000 00	2	225 00	3	300 00	2	135 00			1	30 00
6675	9,868 00	1	150 00	1	78 00	1	65 00				
6761	2,831 00	1	100 00	1	55 00	1	60 00				
6776	5,520 00	1	100 00	2	100 00	1	50 00	1	60 00		
6798	4,010 00					1	75 00				
7307	4,500 00	1	70 00								
7541	6,100 00	1	125 00	3	700 00	1	60 00				
7868	3,800 00	2	150 00			1	40 00	1	40 00		
8297	3,006 00	1	100 00	2	120 00			1	30 00		
8408	5,124 15	1	166 66	1	80 00	1	50 00				
9276	12,950 00			1	100 00	1	60 00				
9320	6,000 00			5	500 00	1	100 00	1	40 00	1	40 00
9463	4,992 41	1	166 67	1	208 33	2	300 00	2	101 34		
9531	44,389 00	1	416 67	2	370 00	2	266 00	2	230 00		
9788	1,069 10										
9886	5,200 00			8	1,200 00	2	200 00			2	80 00
9916	3,025 00	3	479 16			1	58 33	4	133 33	2	37 50
Totals, 127	\$2,894,104 42	225	\$44,420 30	230	\$33,139 66	179	\$18,174 30	160	\$12,460 01	39	\$1,517 66

TABLE III—LIQUORS, MALT AND DISTILLED.

Giving the Number of Males and Females Employed Each Month, for the Year 1901.

Schedule number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
411	21		21		21					
412	63		63		63		63		63	
413	85	45	85	45	85	45	85	45	85	45
414	113	100	99	86	87	12	77	71	86	70
415	13	2	13	2	13	2	13	2	13	2
416	60	31	60	29	60	28	61	32	63	79
417	9		9		9		9		9	
418	114		115		117		121		122	
419	27		28		28		28		28	
420	25		24		27		30		33	
421	41		41		41		41		41	
422	28		28		28		28		28	
424	106		106		106		106		108	
452	62	1	62	1	64	1	65	1	70	1
426	20		20		19		25		30	
427	45		48		45		46		55	
428	60		62		59		57		61	
429	25		25		25		25		27	
430	23		23		23		24		25	
431	11		11		11		11		11	
432	27		26		26		27		27	
433	296		285		303		303		309	
434	61		61		61		61		61	
435	40		40		40		40		40	
436	68		68		68		68		70	
437	22		22		22		22		22	
438	86		86		86		86		86	
1295	30		30		30		30		30	
1296	9		9		9		9		9	
1297	60		57		58		63		67	
1298	4		4		4		4		4	
1299	126		126		126		126		126	
1300	206		207		210		218		229	
1301	24		24		24		26		28	
1302	20		20		20		21		24	
1795	251		245		246		258		270	
1796	104		104		104		112		112	
1797	46		44		43		44		41	
1798	29		29		29		30		30	
2039	13		13		13		13		14	
2040	32		32		32		33		34	
2041	32		32		32		32		32	
2042	30		30		30		30		30	
2043	4		4		4		4		4	
2044	12		13		11		12		12	
2045	11		11		12		12		12	
2154	15	13	15	23	15	25	15	25	13	20
2230	43		41		41		41		44	
2231	60		60		60		60		65	
2232	20		22		21		19		23	
2233	54		54		54		54		54	
2234	60		60		60		60		60	
2350	13		13		13		13		13	
2512	11		11		12		12		13	
2513	19		19		20		21		28	
2566	14		14		14		14		14	
2573	15		15		15		15		16	
2625	8		8		8		8		8	
2626	11		11		11		11		11	
2666	14		14		14		15		15	
2691	10		10		10		10		10	
2710	9		9		9		9		9	
2736	82		82		82		82		82	
2737	20		20		20		20		20	
2811	18		18		18		22		22	
2820	13		13		13		13		14	
2841	6		6		6		6		6	
2885	28		28		28		28		28	
2901	6	1	6	1	6	1	8	1	8	1
2915	11		11		11		13		14	
2940	2		2		2		2		2	
2953	15		15		17		16		18	

TABLE III—LIQUORS, MALT AND DISTILLED.

Giving the Number of Males and Females Employed Each Month, for the Year 1901.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
63		63		63		63		63		63		63	
85	45	85	45	85	45	85	45	85	45	85	45	85	45
90	63	92	50	94	56	110	56	127	73	125	86	124	83
13	2	13	2	13	2	13	2	13	2	13	2	13	2
61	72	64	43	65	48	70	51	81	50	71	45	68	46
9		9		9		9		9		9		9	
126		128		127		127		119		110		110	
28		30		28		26		26		26		26	
34		34		31		31		28		25		24	
41		41		41		41		41		41		41	
28		28		28		28		82		28		28	
108		108		108		108		108		108		108	
75	1	74	1	73	1	69	1	66	1	64	1	63	1
35		35		40		41		37		36		34	
61		56		55		53		49		42		43	
59		59		57		56		54		55		53	
27		27		27		27		27		25		25	
26		27		28		27		26		26		25	
11		11		11		11		11		11		11	
27		28		29		28		27		27		28	
310		334		331		315		298		290		295	
61		61		61		61		61		61		61	
40		40		40		40		40		40		40	
70		70		70		70		70		68		68	
22		22		22		22		22		22		22	
86		86		86		86		86		86		86	
30		30		30		30		30		30		30	
6		6		6		6		6		9		9	
64		70		70		70		66		62		60	
4		4		4		4		4		4		4	
126		126		126		126		126		126		126	
235		240		239		234		228		210		207	
29		32		31		30		29		25		27	
24		24		24		24		24		21		20	
275		280		281		279		267		267		268	
115		115		115		112		104		104		104	
43		48		50		48		47		47		47	
31		31		31		31		30		30		29	
14		14		14		13		13		13		13	
36		36		36		35		35		34		34	
32		32		32		32		32		32		32	
30		30		30		30		30		30		30	
4		4		4		4		4		4		4	
11		13		13		12		12		10		10	
12		12		12		14		14		14		14	
12	15	12	13	12	13	12	20	15	25	15	25	20	15
47		48		46		45		43		41		41	
65		65		65		65		60		60		60	
20		24		25		20		19		20		20	
54		54		54		54		54		54		54	
60		60		60		60		60		60		60	
14		14		13		13		26		22		16	
13		14		14		13		13		13		13	
28		28		28		24		20		19		19	
14		14		14		14		14		14		14	
16		17		17		16		16		16		16	
8		8		8		8		8		8		8	
11		11		11		11		11		11		11	
15		15		14		14		15		15		15	
10		10		10		10		10		10		10	
9		9		9		9		9		9		9	
82		82		82		82		82		82		82	
20		20		20		20		20		20		20	
22		22		22		22		18		18		18	
14		14		14		13		13		12		12	
6		6		6		6		6		6		6	
28		28		28		28		28		28		28	
8	1	8	1	8	1	8	1	6	1	6	1	6	
14		15		15		14		13		12		12	
2		2		2		2		2		2		2	
20		26		23		20		17		16		16	

TABLE III — LIQUORS, MALT AND DISTILLED — Concluded.

Schedule number.	January.		February.		March.		April.		May.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
2960	6		3		6		6		6		
2965	4		4		4		4		4		
2984	13		13		13		13		13		
2993	3		3		3		3		23		
2999	14		15		17		20		25		
3032	7		7		7		7		7		
3033	85	5	85	5	85	5	85	6	86	8	
3043	6		6		6		6		6		
3053	5		5		5		5		5		
3061	42		42		43		47		47		
3173	8		8		8		8		8		
3198	26		26		27		28		26		
3204	33		33		33		33		33		
3212	16		16		17		33		21		
3232	2		2		2		2		3		
3327	8		8		8		8		8		
3373	80	1	79	1	79	4	78	4	83		
3390	11		11		11		11		11		
3396	6		6		6		6		6		
3408	16		16		16		16		16		
3442	18		18		18		18		18		
5359	19		23		15		16		18		
5378	21		18		18		24		25		
5381	5		5		5		5		5		
5508	4	2	4	2	4	2	4	2	4	2	
5674	18		18		18		18		18		
5753	16		16		16		16		16		
5962	10		11		11		11		11		
6045	15		15		15		15		15		
6116	19		19		19		19		19		
6299	9		9		9		9		9		
6434	5		5		5		5		5		
6435	18	6	18	6	18	6	18	6	18	6	
6445	9		9		9		20		20		
6463	2		2		2		1		1		
6468											
6486	7		7		7		7		7		
6490											
6492	8		8		8	3	8	3	8	3	
6675	10	1	10	1	10	1	11	1	14	1	
6761	9	1	9	1	9	1	9	1	9	1	
6776	8		8		8		8		8		
6798	9		9		9		9		9		
7307	7		7		7		7		7		
7541	10		10		10		10		10		
7868	9		9		9		9		9		
8297	3		3		3		3		3		
8408	5		5		5		5		5		
9276	22		22		22		22		22		
9220	5	2	5	2	5	2	5	2	5	2	
9463	9		9		9		9		9		
9531	68		68		68		68		68		
9788	1		1		1		1		1		
9886	6		6		6		6		6		
9916	4	10	4	10	4	10	4	10	4	10	
Totals	127	3,950	221	3,923	215	3,932	208	3,992	212	4,181	251

NOTE — Average per month, males 4071, females 219.

TABLE III—LIQUORS, MALT AND DISTILLED—Concluded.

June.		July.		August.		September.		October.		November.		December.	
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
6	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
4	4	.....	4	.....	4	.....	4	.....	4	.....	4	.....
13	13	.....	13	.....	13	.....	13	.....	13	.....	13	.....
23	23	.....	3	.....	3	.....	3	.....	3	.....	3	.....
30	31	.....	31	.....	27	.....	22	.....	16	.....	15	.....
7	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
87	87	.....	87	.....	87	.....	85	.....	85	.....	85	.....
6	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
48	53	.....	54	.....	51	.....	48	.....	42	.....	42	.....
8	9	.....	9	.....	9	.....	8	.....	8	.....	8	.....
27	28	.....	27	.....	29	.....	28	.....	26	.....	26	.....
33	33	.....	33	.....	33	.....	33	.....	33	.....	33	.....
29	28	.....	27	.....	24	.....	21	.....	20	.....	18	.....
2	4	.....	4	.....	2	.....	2	.....	2	.....	2	.....
8	8	.....	8	.....	8	.....	8	.....	8	.....	8	.....
80	87	.....	71	.....	81	.....	83	.....	65	.....	74	.....
11	11	.....	11	.....	11	.....	11	.....	11	.....	11	.....
6	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
16	16	.....	16	.....	16	.....	16	.....	16	.....	16	.....
18	18	.....	18	.....	18	.....	18	.....	18	.....	18	.....
10	21	.....	21	.....	20	.....	16	.....	18	.....	17	.....
32	43	.....	34	.....	38	.....	27	.....	27	.....	17	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
1	1	.....	2	.....	10	.....	10	.....	4	.....	4	.....
18	18	.....	18	.....	18	.....	18	.....	18	.....	18	.....
16	16	.....	16	.....	16	.....	16	.....	16	.....	16	.....
12	15	.....	15	.....	14	.....	13	.....	12	.....	11	.....
15	15	.....	15	.....	15	.....	15	.....	15	.....	15	.....
19	19	.....	19	.....	19	.....	19	.....	19	.....	19	.....
9	9	.....	9	.....	9	.....	9	.....	9	.....	9	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
18	18	.....	18	.....	18	.....	18	.....	18	.....	18	.....
20	9	.....	9	.....	9	.....	14	.....	14	.....	9	.....
1	1	.....	1	.....	2	.....	3	.....	3	.....	2	.....
7	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
8	8	.....	10	.....	16	.....	.....	.....	.....	.....	.....	.....
14	8	.....	8	.....	8	.....	8	.....	8	.....	8	.....
11	14	.....	14	.....	14	.....	12	.....	11	.....	11	.....
8	11	.....	11	.....	10	.....	9	.....	9	.....	9	.....
9	8	.....	8	.....	8	.....	8	.....	8	.....	8	.....
7
10	7	.....	7	.....	7	.....	7	.....	7	.....	7	.....
9	10	.....	10	.....	10	.....	10	.....	10	.....	10	.....
9	9	.....	9	.....	9	.....	9	.....	9	.....	9	.....
3	3	.....	3	.....	3	.....	3	.....	3	.....	3	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
22	22	.....	22	.....	22	.....	22	.....	22	.....	22	.....
5	5	.....	5	.....	5	.....	5	.....	5	.....	5	.....
9	2	.....	2	.....	2	.....	2	.....	2	.....	2	.....
68	9	.....	9	.....	9	.....	9	.....	9	.....	9	.....
1	68	.....	68	.....	68	.....	68	.....	68	.....	68	.....
6	1	.....	1	.....	1	.....	5	.....	5	.....	1	.....
4	6	.....	6	.....	6	.....	6	.....	6	.....	6	.....
10	4	.....	4	.....	4	.....	10	.....	4	.....	4	.....
4,195	231	4,274	187	4,221	202	4,206	206	4,139	230	4,010	235	3,882	225

TABLE IV—LIQUORS, MALT AND DISTILLED.

Giving by Occupations Number Employed, Average Number of Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1901.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	7	316	\$1 54	\$486 64	9
Bartenders	10	315	1 30	409 50	10.2
Barn foremen	3	308	2 26	696 08	9.6
Beer runners	4	221	1 91	432 11	9.5
Blacksmiths	9	333	2 77	922 41	9.4
Bottlers	307	338	1 74	588 12	9.5
Bottler's helpers	24	359	1 39	499 01	9
Bottlers (boys)	3	302	50	151 00	10
Bottler washers	3	312	1 25	390 00	9
Brewers	895	312	2 22	692 64	9
Brewers' apprentice	1	306	1 83	559 98	9
Brew masters	6	319	4 85	1,547 15	9.7
Canners	8	300	1 75	525 00	9
Carpenters	60	529	2 30	1,216 70	9
Carpenters' helper	1	300	1 50	450 00	9
Cattle feeders	3	202	1 25	252 50	9
Cellar hands	241	327	2 48	810 96	9
Cellar-hands' helper	1	302	1 50	453 00	10
Cleaners	2	300	1 50	450 00	10
Collectors	2	313	300	939 00	9
Column runners	2	64	1 50	96 00	10
Compounders	8	303	202	612 66	9
Compounders' assistant	1	306	1 00	306 00	8
Chemist	1	309	5 50	1,699 50	10
Coopers	56	263	2 34	615 42	9
Decorators	8	308	1 74	535 92	10
Distillers	64	294	1 65	485 10	10
Drawing room men	2	202	1 75	353 50	9
Drivers	638	316	2 35	742 60	9.5
Drivers' helpers	9	326	1 70	554 20	10
Elevator man	1	240	2 00	480 00	10
Engineers	233	320	2 66	851 20	9.8
Fermenters	6	309	2 56	791 04	9
Firemen	138	309	2 04	630 36	9.5
Foremen	14	304	2 40	729 60	9.5
Greaser	1	300	2 00	600 00	8
Gauger	1	313	1 67	522 71	10
Harness makers	7	308	2 00	616 00	9
Helpers	28	311	1 82	566 02	9
Hostlers	116	326	1 99	648 74	10
Ice makers	10	333	1 68	559 44	8.7
Ice pullers	24	353	1 15	405 95	9
Keg washers	20	312	2 48	773 76	8.5
Kettle hands	30	314	2 51	788 14	9.3
Laborers	442	273	1 59	434 07	9.7
Laborers (boys)	14	310	98	288 30	9
Machinists	39	335	2 42	810 70	9.7
Malsters	38	355	2 12	752 60	9.5
Mash hands	9	140	1 71	239 40	9.5
Meal room hand	1	202	1 50	303 00	9
Millers	6	206	1 86	383 16	9.7
Millwright	1	305	2 25	636 25	9
Oilers	2	304	2 00	608 00	10
Painters	11	308	2 50	770 00	8
Porters	35	216	1 31	132 96	6.8
Pipe fitters	6	308	1 69	590 52	9
Rackers and washers	15	308	2 30	708 40	9.8
Re-distiller	1	202	2 50	505 00	9
Shippers	12	303	2 15	651 45	9
Stamp clerks	2	313	2 00	626 00	9
Steam fitters	1	300	3 00	900 00	9
Warehousemen	19	245	1 72	421 40	9
Wash house hands	152	322	2 30	740 60	9
Watchmen	32	318	2 01	639 18	10.8
Yeast makers	2	257	3 50	899 50	9.5
Totals and averages	3,880	311	\$2 12	\$659 32	9

TABLE IV — LIQUORS, MALT AND DISTILLED — Concluded.

Occupation — Female,	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Bottlers	13	281	\$0 69	\$193 89	8.6
Cherry pickers	20	300	1 00	300 00	9
Decorator	1	308	58	178 64	10
Distillers	10	300	1 00	300 00	8
Fillers	26	306	50	153 00	10
Labellers	47	303	64	193 92	9.5
Laborers	81	307	72	221 04	10
Packers	3	306	75	229 50	10
Totals and averages	201	303	\$0 71	\$215 13	9.5

TABLE V—LIQUORS, MALT AND DISTILLED.

Showing the Number in Each Occupation Affected by a Change in Wages
for the Year 1901.

Occupation — Male.	No. of employees.	Advanced per cent.	Reduced per cent.	Occupation — Male.	No. of employees.	Advanced per cent.	Reduced per cent.
Blacksmiths	4	7.5	....	Foreman's assistant	1	20	....
Bottlers	4	8.5	....	Greaser	1	71.4	....
Brewers	64	12.3	....	Hostlers	4	26.3	....
Cellar hand	1	7.5	....	Ice men	4	7.5	....
Coopers	2	10	....	Laborers	10	7.5	....
Distillers	5	10	....	Machinists	6	7.5	....
Drivers	38	24.9	....	Machinists' helpers	6	7.5	....
Engineers	44	17	....	Watchmen	2	13.8	....
Firemen	12	23	....			
Firemen's helpers	4	7.5	....			
Foremen	2	22.5	....	Total and average.....	214	15.9	....

PART VII.

Illuminating Gas and Electricity.

MANUFACTURE OF ILLUMINATING GAS AND ELECTRICITY FOR 1901.

FIRST INVESTIGATION.

STATE SUMMARY.

Classification.	1901.
Number of establishments reporting.....	136
Number of males employed (monthly average).....	2,873
Number of females employed (monthly average).....	11
Number employed, managers, office help, etc. (monthly average).....	462
Amount of capital invested.....	\$51,389,962 00
Value of goods manufactured	6,702,115 52
Value of goods sold	6,679,067 91
Value of materials used	1,309,439 84
Value of manufactured goods on hand at end of year.....	21,797 97
Value of materials on hand at end of year.....	163,380 44
Amount paid in wages for labor.....	1,485,226 09
Amount paid managers, office help, etc.....	488,748 96
Number affected by advance in wages.....	118
Average per cent. advance in wages.....	11.6

TABLE I—ILLUMINATING GAS AND ELECTRICITY.

Giving Value of Goods Manufactured and Sold, the Value of Materials Used in 1901, the Value of Manufactured Articles and Materials on Hand January 1st, 1902, and the Capital Invested.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufactured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand January 1, 1902.	Capital invested.
3701	\$22,882 69	\$20,047 71	\$2,834 98	\$10,513 86	\$2,257 45	\$809,604
3702	32,295 26	32,295 26		11,888 18	998 84	300,000
3705	3,000 00	3,000 00				40,000
3706	6,608 00	8,597 88	100 00	2,850 97	50 00	28,000
3708	12,808 22	12,808 22		6,449 25		100,000
3710	7,200 00	7,200 00		2,200 00		30,000
3711	1,300 00	1,300 00		480 00	80 00	8,000
3712	25,000 00	25,000 00		10,000 00	300 00	250,000
3714	8,067 87	8,067 87		398 00	172 16	14,000
3716	28,114 67	28,114 67		8,992 73	260 00	150,000
3717	6,838 00	6,838 00		1,500 00		15,000
3719	36,434 44	27,320 35	2,202 27	6,55 00	2,863 52	300,000
3720	72,209 88	72,209 88		14,488 00	500 00	225,000
3721	3,500 00	3,500 00				
3724	14,000 00	12,877 00	1,123 00	4,113 20	4,570 20	100,000
3725	2,173,176 10	2,173,176 10		474,626 35	57,740 00	29,000,000
3727	571,505 29	571,505 29			54,357 88	2,337,300
3728	111,831 00	111,831 00		25,796 06	2,000 00	1,144,700
3729	180,000 00	180,000 00		24,000 00	200 00	750,000
3730	6,834 31	6,611 65	222 66	3,458 55	225 00	80,000
3731	10,000 00	10,000 00	500 00	3,400 00	300 00	60,000
3733	99,736 92	99,736 92		14,400 00	60 00	600,000
3734	9,000 00	8,500 00				40,000
3735	32,252 96	32,252 96		13,540 55	500 00	125,000
3736	13,260 00	13,120 00	300 00			90,000
3739	26,322 00	26,322 00		18,306 76		200,000
3740	9,551 54	9,551 54		1,339 15	67 16	44,100
3741	36,000 00	36,000 00		10,680 00	500 00	100,000
3742	70,000 00	70,000 00		10,000 00		500,000
3743	30,000 00	30,000 00		14,000 00	1,000 00	287,000
3744	6,626 22	6,626 22		2,073 66	103 00	22,000
3746	30,000 00	30,000 00		7,000 00	100 00	100,000
3748	12,000 00	12,000 00	600 00	3,650 00	600 00	35,000
3749	10,346 47	10,298 47	190 00	2,548 38	150 00	31,450
3751	7,221 40	7,221 40		1,290 97	496 43	12,000
3753	4,783 35	4,783 35		1,078 61	160 50	50,000
3757	12,805 27	12,805 27		7,456 93		40,000
3759	4,500 00	4,500 00		2,000 00	300 00	8,500
3760	3,000 00	3,000 00		800 00		6,000
3761	42,781 00	42,781 00				200,000
3762	5,897 89	5,897 89		2,500 00	200 00	50,000
3763	10,023 99	10,023 99		5,698 03	150 00	13,500
3764	3,000 00	3,000 00		1,200 00	300 00	22,000
3765	5,000 00	5,000 00		1,200 00	200 00	15,000
3768	3,785 63	3,780 00	5 63	1,297 00	56 55	38,000
3769	46,324 84	46,059 84	265 00	12,899 57	459 59	300,000
3771	40,796 00	37,725 00		9,129 00		135,000
3772	14,830 00	14,830 00		5,357 00		27,000
3774	35,736 35	35,736 35	520 00	33,664 15	520 00	50,000
3776	19,460 00	19,460 00		8,740 00		100,000
3777	27,800 00	27,800 00		7,500 00		120,000
3778	3,600 00	3,600 00		1,200 00	300 00	4,000
3782	26,597 58	22,949 56	3,648 02	5,536 83	650 00	50,000
3785	5,000 00	5,000 00				15,000
3786	15,000 00	15,000 00		2,500 00		30,000
3787	9,075 28	9,075 28	300 00	3,813 84	250 00	50,000
3788	8,643 65	8,643 65				25,000
3789	20,497 00	20,497 00		5,100 00	50 00	70,000
3790	10,151 65	10,938 63	52 00	3,525 52	54 60	52,200
3791	4,347 84	4,349 84				15,000
3792	3,500 00	3,500 00		1,000 00	500 00	12,000
3795	30,000 00	30,000 00		7,130 00	550 00	125,000
3796	2,491 75	2,513 50		1,411 75		5,000
3797	11,817 12	11,609 12	208 00	7,784 02	168 00	20,000
3799	8,466 06	8,466 06		866 11	381 00	25,000
3800	10,159 15	10,159 15		3,411 32	200 00	40,000

* Refuse to answer this question.

TABLE I—ILLUMINATING GAS AND ELECTRICITY—Concluded.

Schedule number.	Total value of all goods manufactured during year 1901.	Total value of goods sold during year 1901.	Total value of manufac- tured goods on hand January 1, 1902.	Total value of all stock or material used during year 1901.	Total value of stock or material on hand Jan- uary 1, 1902.	Capital invested.	
3801	\$6,100 00	\$6,100 00				\$15,000	
3802	8,494 62	7,901 11				45,000	
3803	28,976 50	28,976 50	\$294 81	\$1,774 76	\$880 84	225,600	
3805	5,950 98	5,722 98		15,515 82	1,483 89	15,000	
3807	13,264 29	13,264 29	20 00	4,687 29	1,111 98	37,200	
3809	4,120 00	7,000 00		2,355 00	1,979 31	32,400	
3811	16,673 36	16,673 36				35,000	
3812	16,000 00	16,000 00		7,414 03		50,000	
3813	86,000 00	86,000 00	200 00	4,387 00	100 00	500,000	
3814	5,227 23	5,227 23		41,400 00	1,200 00	25,000	
3816	10,142 39	10,142 39				25,000	
3817	5,251 99	5,251 99		3,104 47		30,000	
3818	64,274 70	63,765 99	508 81	2,215 83		400,000	
3819	53,213 19	53,213 19		21,264 43	1,842 79	200,000	
3820	36,960 73	36,676 73		2,000 00	200 00	700,000	
3821	\$1,000 00	\$1,000 00		7,093 50	200 00	500,000	
3822	37,143 06	37,143 06		10,000 00	750 00	40,000	
3823	206,636 58	203,854 26	2,782 32	14,155 14	501 43	880,700	
3825	48,614 79	48,614 79		52,275 81	1,526 88	125,000	
3826	5,123 75	5,123 75		20,320 97		15,000	
3827	5,857 65	5,857 65		1,519 33	213 34	30,000	
3828	13,000 00	13,000 00		2,221 01		50,000	
3829	5,614 81	5,239 42	248 62	2,400 00	500 00	40,000	
3830	9,890 12	9,834 82	55 30	1,404 00	576 27	100,000	
3831	13,490 00	13,490 00		2,227 46	150 80	90,500	
3834	15,330 00	15,254 00		6,752 91	2,373 29	10,000	
3835	29,439 84	29,439 84	1,393 95	7,621 60	500 00	100,000	
3836	8,092 49	8,092 49		6,565 00	875 48	100,000	
3838	6,744 10	6,299 60	444 50	5,139 26		42,000	
3839	10,971 23	10,971 23		2,048 95	150 00	50,000	
3840	2,767 00	2,767 00		3,847 90	200 00	60,000	
3841	16,976 81	16,976 81		500 00	250 00	50,000	
3842	10,066 65	9,806 65	260 00	4,956 10		50,000	
3843	50,029 30	50,029 30		2,984 99		140,000	
3844	40,000 00	40,000 00		62,973 40		50,000	
3849	3,400 00	3,400 00		8,000 00	2,000 00	32,000	
3850	3,783 73	3,783 73		1,500 00	500 00	10,000	
3854	6,488 61	6,488 61		2,143 73	75 00	98,000	
3856	6,876 99	6,876 99		11,505 68		45,000	
3857	5,160 37	5,160 37		4,500 00	250 00	15,000	
3858	4,920 00	4,220 00	700 00			25,000	
3860	4,249 63	4,249 63		2,221 00	150 00	12,000	
3861	3,000 00	3,000 00		2,972 49		15,000	
3865	5,473 10	5,473 10		1,300 00		26,656	
3869	4,060 56	4,060 56		3,266 74	100 60	38,000	
3871	10,386 27	10,386 27		2,508 59	100 00	41,602	
3872	5,901 86	5,901 86		7,000 00	2,006 00	37,000	
3873	3,148 24	3,148 21		2,329 02		12,000	
3874	5,029 43	5,029 43		1,500 00		30,000	
3875	3,000 00	3,000 00		3,146 65		6,000	
3876	2,889 07	2,889 07		1,000 00		16,000	
3877	2,889 35	2,889 35		2,928 56		16,000	
3880	10,898 02	10,898 02				19,000	
3881	15,944 29	15,944 29		3,643 96		55,000	
3884	5,800 00	5,800 00		6,710 75	660 00	85,000	
3885	147,076 58	145,692 48	1,384 10	472 00	206 00	955,000	
3887	8,000 00	8,000 00		34,316 66	747 86	75,000	
3891	4,685 26	4,829 25	150 00	4,400 00		9,000	
3894	2,500 00	2,500 00		1,990 76	100 00	38,000	
3895	3,600 00	3,600 00		1,500 00	500 00	8,000	
3898	2,480 00	2,480 00		1,738 00	300 00	11,450	
3899	5,300 00	5,300 00		1,850 00	50 00	15,000	
3900	15,116 03	15,116 03		2,300 00		92,000	
3901	5,224 43	5,224 43		2,700 00		30,000	
3902	2,445 22	2,445 22		4,854 21		14,000	
3903	6,000 00	6,000 00		888 54		50,000	
3908	1,025,000 00	1,025,000 00		3,000 00	250 00	4,000,000	
3909	247,261 17	247,261 17		*		900,000	
3910	9,594 54	9,594 54		3,298 24	240 69	50,000	
3911	1,300 00	1,300 00		480 00		8,500	
Totals	136	\$6,702,115 52	\$6,679,067 91	\$21,797 97	\$1,309,439 84	\$163,380 44	\$51,389,962

TABLE II—ILLUMINATING GAS AND ELECTRICITY.

Giving Amount Paid in Wages and the Number Employed and the Salaries Paid
Office Help for the Year 1901.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Monthly salary.	No.	Mo. salary.
3701	\$7,958 97	3	\$265 00			1	\$75 00	2	\$104 00		
3702	8,200 00	1	100 00			1	35 00				
3705	1,080 00	1	85 00					1	\$50 00		
3706	1,800 00	1	150 00								
3708	4,341 30	1	75 00					1	83 33		
3710	2,400 00										
3711	600 00										
3712	7,000 00										
3714	613 07	1	25 00								
3716	5,388 37	1	100 00			1	35 00				
3717	1,890 00	1	25 00								
3719	5,833 14	1	166 66			1	50 00	1	31 26		
3720	14,092 43	3	315 50			1	100 00	1	100 00	1	\$80 21
3721	638 75										
3724	6,423 36	2	291 66			1	70 00	2	90 00		
3725	371,029 84	45	8,329 95					75	3,973 82	2	126 25
3727	117,702 22	3	381 00	2	\$200 00	3	100 00	18	813 00	3	165 00
3728	21,085 00	1	125 00			1	90 00	3	150 00		
3729	60,000 00	4	720 00	2	150 00	2	175 00	2	80 00	1	40 00
3730	2,607 21	2	135 00					1	20 00		
3731	2,275 00	1	125 00			1	25 00				
3733	8,114 06	2	541 67			1	75 00	1	70 00		
3734	13,800 00	1	150 00	1	50 00	1	40 00				
3735	7,228 47	1	125 00			1	75 00				
3736	1,880 00	1	125 00			1	33 33			1	18 00
3739	2,271 20	3	625 00			1	100 00	1	25 00	1	52 00
3740	3,001 03	1	45 00			1	10 00				
3741	4,000 00	2	165 00			1	55 00	1	75 00	1	40 00
3742	6,000 00	2	150 00			1	100 00				
3743	8,160 00	2	115 00			1	40 00			1	26 00
3744	1,365 00	1	49 83			1	33 33				
3746	8,760 00	1	100 00			1	75 00				
3748	2,000 00	1	75 00			1	16 00				
3749	1,728 00	1	60 00			1	15 00				
3751	1,300 00					1	25 00				
3753	1,159 71	1	20 00			1	25 00				
3757	3,803 00							1	12 00		
3759	1,300 00										
3760	720 00										
3761	7,878 04	1	83 33			1	40 00				
3762	2,133 52	1	25 00			1	75 00				
3763	2,828 08	1	100 00			1	25 00				
3764	650 00	1	50 00								
3765	2,409 00										
3768	1,320 00										
3769	12,013 88	1	179 16	1	65 00	1	40 00			1	50 00
3771	3,800 00	1	50 00			1	50 00	1	25 00		
3772	3,082 00	1	50 00			1	50 00				
3774	9,017 97	2	175 00			1	40 00				
3776	2,680 00	1	83 33								
3777	4,000 00	1	185 00								
3778	1,200 00										
3782	2,397 83	2	160 00			1	45 00				
3785	960 00	1	15 00								
3786	2,370 00	1	75 00								
3787	2,270 93	1	75 00			1	50 00				
3788	3,457 87					1	50 00				
3789	4,200 00	1	150 00								
3790	2,094 90	2	135 00			1	28 33	1	26 00		
3791	1,450 00	1	92 50			1	50 00				
3792	1,560 00										
3795	4,000 00	1	110 00			1	60 00	1	25 00		
3796	1,095 00										
3797	2,720 00	1	75 00			1	50 00				
3799	1,750 00	1	50 00								
3800	1,681 25	1	100 00								
3801	1,380 00	1	55 00								
3802	1,350 00	1	141 66								
3803	5,051 79	1	83 33			1	16 67				

TABLE II — ILLUMINATING GAS AND ELECTRICITY — Concluded.

Schedule number.	Total amount paid in wages during year 1901.	Office help.									
		Managers and foremen.		Salesmen.		Book-keepers.		Clerks.		Stenographers.	
		No.	Monthly salary.	No	Monthly salary.	No.	Monthly salary.	No	Monthly salary.	No.	Mo. salary.
3805	\$1,448 01	2	\$110 00	.....	.....	1	\$20 00	.....	.....	.....	.....
3807	3,554 75	1	60 00	.....	.....	1	60 00	.....	.....	.....	.....
3809	1,500 00	1	50 00	.....	.....	1	40 00	.....	.....	.....	.....
3811	5,363 21	1	100 00	.....	.....	1	50 00	.....	.....	.....	.....
3812	3,120 60	1	100 00	.....	.....	1	40 00	1	\$25 00	.....	.....
3813	23,800 00	2	241 00	.....	.....	1	70 00	2	80 00	1	\$40 00
3814	1,926 91	.....	.....	.....	.....	1	30 00	.....	.....	.....	.....
3816	1,476 22	1	66 48	.....	.....	.....	.....	1	30 00	.....	.....
3817	1,145 15	1	66 48	.....	.....	.....	.....	1	30 00	.....	.....
3818	15,320 00	4	280 00	1	\$50 00	3	165 00	.....	.....	.....	.....
3819	7,000 00	2	200 00	1	50 00	1	50 00	1	40 00	1	30 00
3820	26,562 77	6	550 00	.....	.....	2	100 00	1	40 00	.....	.....
3821	10,200 00	1	50 00	.....	.....	1	65 00	.....	.....	.....	.....
3822	5,793 46	1	100 00	1	60 00	1	40 00	.....	.....	.....	.....
3823	46,804 71	3	576 00	4	258 50	5	315 00	4	195 00	.....	.....
3825	6,695 00	1	100 00	.....	.....	.....	.....	1	60 00	.....	.....
3826	2,022 00	1	50 00	.....	.....	.....	.....	.....	.....	.....	.....
3827	1,255 00	1	16 66	.....	.....	.....	.....	1	9 00	.....	.....
3828	3,000 00	1	100 00	.....	.....	.....	.....	.....	.....	.....	.....
3829	707 36	1	100 00	.....	.....	.....	33 33	.....	.....	.....	.....
3830	1,621 00	1	75 00	.....	.....	1	50 00	.....	.....	.....	.....
3831	2,543 25	1	75 00	.....	.....	1	21 70	.....	.....	.....	.....
3834	6,686 00	1	62 50	.....	.....	1	30 00	.....	.....	.....	.....
3835	5,174 84	1	116 66	.....	.....	1	60 00	.....	.....	.....	.....
3836	1,568 99	1	25 00	.....	.....	.....	.....	1	10 00	.....	.....
3838	1,547 83	1	50 00	.....	.....	1	10 00	.....	.....	.....	.....
3839	2,700 00	1	12 50	.....	.....	1	10 00	.....	.....	.....	.....
3840	3,750 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3841	2,845 41	1	65 00	.....	.....	1	40 00	.....	.....	.....	.....
3842	1,987 76	2	95 00	.....	.....	.....	.....	.....	.....	.....	.....
3843	17,962 34	3	335 00	.....	.....	1	75 00	2	50 00	.....	.....
3844	7,500 00	1	200 00	.....	.....	1	100 00	3	120 00	.....	.....
3849	1,450 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3850	1,440 00	.....	.....	.....	.....	.....	.....	1	10 50	.....	.....
3851	2,340 00	1	100 00	.....	.....	1	35 00	.....	.....	.....	.....
3856	1,635 20	1	75 00	.....	.....	.....	.....	.....	.....	.....	.....
3857	1,030 00	.....	.....	.....	.....	.....	.....	1	20 00	.....	.....
3858	660 00	1	75 00	.....	.....	1	40 00	.....	.....	.....	.....
3860	1,800 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3861	1,400 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3865	1,878 88	.....	.....	.....	.....	.....	.....	1	20 00	.....	.....
3869	1,338 46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3871	6,100 00	1	100 00	.....	.....	1	40 00	.....	.....	.....	.....
3872	1,612 57	.....	.....	.....	.....	.....	.....	1	12 50	.....	.....
3873	720 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3874	1,160 00	.....	.....	.....	.....	1	25 00	.....	.....	.....	.....
3875	400 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3876	1,560 00	1	60 00	.....	.....	.....	.....	.....	.....	.....	.....
3877	1,040 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3880	2,396 64	1	50 00	.....	.....	1	20 00	.....	.....	.....	.....
3881	2,888 10	1	75 00	.....	.....	1	20 00	.....	.....	.....	.....
3884	3,000 00	.....	.....	.....	.....	1	32 50	.....	.....	.....	.....
3885	32,174 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3887	2,220 00	1	83 00	.....	.....	.....	.....	.....	.....	.....	.....
3891	603 20	1	75 00	.....	.....	.....	.....	.....	.....	.....	.....
3894	1,200 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3895	840 00	1	50 00	.....	.....	.....	.....	.....	.....	.....	.....
3898	1,400 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3899	1,060 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3900	4,952 54	.....	.....	.....	.....	.....	.....	1	60 00	.....	.....
3901	1,083 65	1	50 00	.....	.....	.....	.....	.....	.....	.....	.....
3902	1,700 00	.....	.....	.....	.....	.....	.....	1	8 33	.....	.....
3903	2,500 00	1	75 00	.....	.....	.....	.....	.....	.....	.....	.....
3908	277,400 00	6	2,500 00	.....	.....	.....	.....	20	4,000 00	1	60 00
3909	82,932 94	3	750 00	.....	.....	1	75 00	5	305 00	.....	.....
3910	1,286 00	2	158 33	.....	.....	.....	.....	.....	.....	.....	.....
3911	500 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals, 136	\$1,485,226 09	189	\$24,884 19	13	\$883 50	81	\$3,905 19	164	\$10,878 74	15	\$677 46

TABLE III—ILLUMINATING GAS AND ELECTRICITY.

Giving the Number of Males and Females Employed Each Month, for the Year 1901.

Schedule number.	January.		February.		March.		April.		May.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
3701	28		22		22		18		13	
3702	12	1	12	1	12	1	12	1	12	1
3705	2		2		2		2		2	
3706	1		1		1		1		1	
3708	7		7		7		7		7	
3710	3		3		3		3		3	
3711	1		1		1		1		1	
3712	8		8		8		8		8	
3714	1		1		1		1		1	
3716	11	1	11	1	11	1	11	1	11	1
3717	5		5		5		5		4	
3719	12		10		9		9		11	
3720	21		20		19		20		22	
3721	1		1		1		1		1	
3724	13	1	13	1	13	1	13	1	13	1
3725	953		953		953		953		953	
3727	212		209		215		226		200	
3728	26		24		24		20		22	
3729	73		73		73		73		73	
3730	9		10		7		10		17	
3731	6		6		6		6		6	
3733	11		11		11		11		11	
3734	20		20		20		20		20	
3735	12		12		12		12		12	
3736	8	1	8	1	8	1	8	1	8	1
3739	4		4		4		4		4	
3740	6		6		8		8		8	
3741	11		11		11		11		11	
3742	10		10		10		10		10	
3743	18		18		18		18		18	
3744	2		2		2		2		2	
3746	12		12		12		12		12	
3748	3		3		3		3		3	
3749	5	1	4	1	6	1	4	1	8	1
3751	3	2	3	2	3	2	3	2	3	2
3753	5		5		5		5		5	
3757	6		6		6		6		6	
3759	2		2		2		2		2	
3760	1		1		1		1		1	
3761	12		12		12		11		11	
3762	6		6		6		6		6	
3763	9		9		9		9		9	
3764	2		2		2		2		2	
3765	3		3		3		3		3	
3768	2		2		2		2		2	
3769	20		20		20		20		20	
3771	8		8		8		8		8	
3772	7		7		7		7		7	
3774	15		15		15		15		18	
3776	5		5		5		6		6	
3777	5		5		5		6		6	
3778	2		2		2		2		2	
3782	7		7		7		7		7	
3785	2		2		2		2		2	
3786	5		5		5		4		4	
3787	3		3		3		3		3	
3788	5		5		5		5		5	
3789	8		8		8		8		8	
3790	8	1	8	1	8	1	8	1	8	1
3791	3		3		3		3		3	
3792	3		3		3		3		3	
3795	7		7		7		7		7	
3796	2		2		2		2		2	
3797	7		7		7		7		7	
3799	3		3		3		3		3	
3800	4		4		3		3		3	
3801	4		2		2		2		2	
3802	3		3		3		2		2	
3803	9		9		9		9		9	
3805	2		2		2		2		2	
3807	7		7		8		8		8	
3809	6		6		6		6		6	

TABLE III — ILLUMINATING GAS AND ELECTRICITY — Concluded.

Schedule number.	January.		February.		March.		April.		May.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
3811	8		8		8		8		8		
3812	8		8		8		8		8		
3813	27		29		28		32		34		
3814	5		5		5		5		5		
3816	5		5		5		5		5		
3817	5		5		5		5		5		
3818	32		32		32		32		40		
3819	10		10		10		10		10		
3820	26		27		29		42		45		
3821	16		16		16		16		16		
3822	10		10		10		10		10		
3823	110	2	96	2	99	2	144	2	121	2	
3825	14		14		14		10		10		
3826	2		2		2		2		2		
3827	5		5		5		5		5		
3828	5		5		5		5		5		
3829	2		2		2		2		2		
3830	6		6		6		6		6		
3831	5		5		4		4		5		
3834	11		11		11		11		11		
3835	12		12		12		12		12		
3836	6		6		6		6		6		
3838	3		3		3		3		3		
3839	4		4		4		4		4		
3840	8		8		8		8		8		
3841	7		7		7		7		7		
3842	5		5		5		5		5		
3843	23		23		23		26		28		
3844	14		14		14		14		14		
3849	3		3		3		3		3		
3850	2		2		2		2		2		
3854	5		5		5		5		5		
3856	3		3		3		3		3		
3857	2		2		2		2		2		
3858											
3860	3		3		3		3		3		
3861	5		5		5		5		5		
3865	6		6		6		6		6		
3869	3		3		3		3		3		
3871	10		10		10		10		10		
3872	3		3		3		3		3		
3873	1		1		1		1		1		
3874	4		4		4		4		4		
3875	1		1		1		1		1		
3876	4		4		4		4		4		
3877	2		2		2		2		2		
3880	3		3		3		3		3		
3881	5	1	5	1	5	1	5	1	5	1	
3884	5		5		5		5		5		
3885	42		42		42		42		40		
3887	4		4		4		4		4		
3891	3		3		3		3		3		
3894	2		2		2		2		2		
3895	3		3		3		3		3		
3898	3		3		3		3		3		
3899	3		3		3		2		2		
3900	6		6		6		6		6		
3901	2		2		2		2		2		
3902	2		2		2		2		2		
3903	3		3		3		3		3		
3908	400		400		400		400		400		
3909	150		145		145		140		170		
3910	2		2		2		2		2		
3911	1		1		1		1		1		
Totals.....	136	2,826	11	2,796	11	2,804	11	2,863	11	2,872	11

NOTE — Average per month: Males, 2,873; females, 11.

TABLE IV—ILLUMINATING GAS AND ELECTRICITY.

Giving by Occupations Number Employed, Average Number of Days Worked, Average Daily Wages, Average Yearly Earnings and Average Hours of Daily Labor for the Year 1901.

Occupation — Male.	Number employed.	Average number of days worked in 1901.	Average daily wages.	Average yearly earnings, 1901.	Average hours of daily labor.
Apprentices	2	339	\$0 67	\$227 13	10
Boiler maker	1	365	1 70	620 54	10
Boiler men	2	365	2 30	839 50	10
Carpenters	2	365	1 80	667 00	10
Chargers	20	365	2 25	821 25	12
Cleaners	3	365	1 79	653 35	10
Coal handlers	9	365	1 51	551 15	10
Collector	1	365	1 81	295 65	8
Construction men (electric)	6	365	1 60	584 00	10
Construction men (steam)	5	365	1 70	620 50	10
Draughtsman	1	365	2 02	737 30	10
Drivers	2	365	1 50	547 50	10
Dynamo tenders	6	365	1 75	638 75	10
Electricians	39	364	1 82	662 48	10
Emergency man	1	365	1 63	594 95	10
Engineers	232	364	2 16	786 24	11
Exhauster room men	2	365	1 75	638 75	12
Field man	1	313	1 00	313 00	6
Firemen	194	364	1 71	622 44	11.5
Foremen	27	364	2 59	942 76	10.7
Gas fitters	32	358	1 92	687 36	9.6
Gas fitters' helpers	3	365	1 50	547 50	10
Gas makers	29	357	1 64	535 48	10.3
Gas makers' helpers	3	365	1 45	529 25	10.6
Helpers	27	364	1 48	538 72	10.6
Hostler	1	365	1 66	605 90	10
Housemen	2	365	1 27	466 09	12
Inspectors	4	365	2 68	978 20	10
Janitor	1	365	1 89	689 85	10
Joiners and helpers	40	365	1 27	463 55	10
Laborers	1,335	365	1 72	627 80	10
Lamp shop men	7	365	1 92	700 80	10
Linemen	137	365	2 10	766 50	10
Linemen' helpers	8	365	1 68	613 20	10
Machinists	4	365	2 50	912 50	10
Machinists and helpers	8	365	2 04	744 60	10
Mechanics	87	365	1 85	675 25	10
Meter men	60	365	2 10	766 50	10
Oilers	18	365	1 47	536 55	10.8
Patrolmen	5	365	2 41	879 65	10
Pavers	12	365	2 25	821 25	10
Pipe fitters	10	365	1 70	620 50	10
Plumbers	4	360	1 50	540 00	8.2
Pumpers	2	365	1 25	456 25	10
Regulators	3	365	1 60	534 00	8
Repairers	7	365	1 78	649 70	10
Retort men	30	365	1 89	689 85	11
Stable men	2	365	1 96	715 40	10
Stockkeepers	4	365	1 87	682 55	10
Stokers	113	364	1 80	655 20	11.7
Storekeeper	1	365	1 50	547 50	10
Switchboard tenders	20	365	1 65	602 25	12
Teamsters	3	365	2 50	912 50	10
Timekeeper	1	365	2 19	799 35	10
Trimmers	127	364	1 61	586 04	9.5
Watchmen	2	365	1 50	547 50	12
Weigher	1	365	1 50	547 50	12
Wipers	2	365	1 50	547 50	12
Wired	23	365	2 62	956 30	9.7
Yardmen	6	365	1 50	547 50	10
Totals and averages	2,745	365	\$1 81	\$660 65	10.3

TABLE IV — ILLUMINATING GAS AND ELECTRICITY.

Showing the Number in Each Occupation Affected by a Change in Wages for the Year 1901.

Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.	Occupation — Male.	Number of employees.	Advanced per cent.	Reduced per cent.
Dynamo tenders	3	10	....	Linemen	13	12.7	....
Electricians	3	10	....	Oilers	4	13.7	....
Engineers	21	11.2	....	Stokers	4	17.2	....
Firemen	19	12.1	....	Trimmers	8	7.5	....
Gas men	30	10	....			
Helpers	5	18.4	Total and average.....	118	11.6
Laborers	8	12.5				

PART VIII.

Working Women.

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WORKING WOMEN.

SUMMARY

GIVING TOTALS AND AVERAGES FOR THE YEAR 1901.

Total number interviewed.....	7,825
Total Nativity, American.....	7,558
" Irish	13
" English	41
" German	171
" Russian	10
" Miscellaneous	32
Total number employed under 18 years of age.....	1,982
" " between 18 and 25 years of age.....	4,241
" " over 25 years of age.....	1,602
Average age	22 yrs.
Average number of weeks employed, present occupation.....	40.5
" " " other occupations	5.4
" hours of labor per week.....	57.6
" number of weeks idle through sickness.....	.5
" " " non-employment	—
" " " strikes and other causes.....	.7
Average wages per week.....	\$1.94
" expenses per week for board and lodging.....	2.55
" " " rent, light and heat.....	0.03
" " " clothing	1.41
" " " other necessities.....	1.23
Total number of dependents.....	930
Average weekly savings.....	\$0.12

Note—All totals and averages shown in this table are based upon the whole number of persons interviewed, except in "living expenses," which is computed upon the basis of the number of persons actually reporting under this heading.

The discrepancy between the wages and expenses is explained by the fact that those who report living expenses directly are usually the highest paid labor; while the younger class, who are among the poorest paid, generally give their wages to their parents.

SCHEDULE OF INQUIRY AFFECTING WOMEN IN SHOP AND FACTORY OCCUPATIONS.

OCCUPATIONS, FEMALES, FOR THE YEAR 1901.

1. City?
2. Occupation?
3. Nativity?
4. Age?
5. No. of weeks employed:
 - Present Occupation?
 - Other Occupations?
 - Hours of Labor per Week?.....
6. No. of Weeks Idle:
 - Through Sickness?
 - Non-Employment?
 - Strikes and Other Causes?.....
7. Weekly Wages and Income:
 - Average Wages per Week?.....
 - Wages of Males, Same Labor?.....
 - Income Other than Wages?.....
8. Living Expenses per Week:
 - Board and Lodging?.....
 - Rent, Light and Heat?.....
 - Clothing?
 - Other Necessaries?
9. Number of Dependents?.....
10. Average Weekly Savings?.....

TABLE
GIVING TOTALS AND AVERAGES FOR EACH OF THE CITIES CANVASSED.

Cities canvassed.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Akron	900	21	41.7	4.7	59.4	1.2	.....	7	\$5 15	.....	.....	\$2 68	.....	\$1 60	1 22	58	\$0 02
Barberton	162	22	41.8	4.7	60	1.3	.....	3	5 46	.....	.....	2 62	.....	1 73	1 34	14	10
Canton	540	21	43.7	1.9	59	.....	.....	3	4 80	.....	.....	2 62	.....	1 60	1 29	25	04
Chillicothe	99	24	42.5	7.5	53.5	.....	.....	1	3 88	.....	.....	1 53	.....	1 05	07	17	.....
Coshocton	198	21	42.3	4	54	.....	.....	1	3 03	.....	.....	1 01	.....	1 33	87	.....	.....
Dayton	1,437	23	39.1	8.3	57.3	.....	.....	9	5 17	.....	.....	2 77	.....	1 16	1 49	311	13
East Liverpool	540	22	43.5	8.3	54.1	.....	.....	5	7 03	.....	\$0 02	3 40	.....	1 82	1 21	69	.....
Hamilton	598	21	38.3	8.7	60.3	.....	.....	5	4 11	.....	.....	3 19	.....	1 89	1 07	22	05
Middletown	193	23	42.4	5.3	55.7	1.3	.....	3	6 00	.....	.....	3 19	.....	1 16	1 43	22	06
Portsmouth	977	21	35.2	10	54.2	.....	.....	3	4 28	.....	.....	2 96	.....	1 23	1 12	86	16
Sebring	90	22	41.3	2.8	58	.....	.....	2.6	4 75	.....	.....	2 96	.....	1 83	1 26	5	16
Springfield	377	23	34.2	7.9	57.2	.....	.....	2.6	4 75	.....	.....	2 96	.....	1 83	1 26	5	16
Steubenville	162	20	43.9	2.9	59.5	.....	.....	1.4	4 72	.....	.....	2 53	.....	1 44	1 42	68	14
Toledo	1,118	23	43.1	2.7	60.9	.....	.....	1	4 61	.....	.....	2 51	.....	1 56	1 09	145	09
Wellsville	180	20	44.3	.....	54	.....	.....	.....	1	6 22	.....	3 08	.....	1 87	1 17	7	33
Youngstown	324	20	42.6	1.8	57	.....	.....	.4	4 27	.....	.....	2 74	.....	1 41	1 26	12	01
Totals and averages.....	7,825	22	40.5	5.4	57.6	.5	.....	.7	\$4 94	.....	.....	\$2 55	\$0 03	\$1 41	\$1 23	930	\$0 12

TABLE

GIVING THE NATIVITY OF THE WOMEN INTERVIEWED IN EACH
OF THE CITIES CANVASSED.

Cities canvassed.	American.	Irish.	English.	German.	Russian.	Miscellaneous.
Akron	876	2	2	14	2	4
Barberton	161			1		
Canton	531			6		3
Chillicothe	99					
Coshocton	198					
Dayton	1,309	4	4	108	3	9
East Liverpool	526		13			1
Hamilton	507	1	2	17	1	
Middletown	187	1		5		
Portsmouth	974			3		
Sebring	90					
Springfield	372	2	1	1	1	
Steubenville	162					
Toledo	1,078	3	3	16	3	15
Wellsville	164		16			
Youngstown	324					
Totals	7,558	13	41	171	10	32

TABLE

GIVING NUMBER EMPLOYED, AT DIFFERENT AGES, IN EACH OF
THE CITIES CANVASSED.

Cities canvassed.	Under 18 years.	18 to 25 years.	Over 25 years.
Akron	219	563	118
Barberton	48	75	39
Canton	159	301	80
Chillicothe	22	45	32
Coshocton	48	123	27
Dayton	284	769	384
East Liverpool	152	213	175
Hamilton	187	266	75
Middletown	36	109	48
Portsmouth	285	528	164
Sebring	28	44	18
Springfield	63	217	97
Steubenville	71	73	18
Toledo	229	612	277
Wellsville	54	109	17
Youngstown	97	194	33
Totals	1,982	4,241	1,602

CLEVELAND, OHIO, December 15, 1902.

Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus; Ohio.

DEAR SIR:—I have the honor to herewith submit report of my investigation relating to the condition of working women in the cities hereinafter named.

Respectfully submitted,

VERONICA McLAUGHLIN.

AKRON.

CLERKS.

There are so many young women who prefer clerking to any other occupation, that the wages are low in consequence. One employer stated, "I can get plenty of girls who are willing to work for \$3.00 per week, so there is no reason why I should pay more." Many employers, however, expressed themselves as ready and willing to pay better salaries, if their employes took enough of interest in their work. "Many girls are so indifferent, that they are not worth any more to us than they get, even though it is small," said one merchant. This statement may be true, but the fact remains that the majority of women clerks are poorly paid. Young women are expected to dress neatly and make a good appearance on very small wages.

A young woman, who has clerked in a leading store for six years, receives \$5.00 per week. "I dare not complain," she said, "for there are plenty willing to take my place for less wages." In speaking of the conditions existing in the stores in general, she said, "Employers should provide more clean towels; in some stores, from one to two clean towels are provided each week for the use of twenty-five or thirty girls. Stools in some of the stores are uncomfortable, and it is easier to stand up than sit on them. We should be paid for overtime, especially during the holidays and inventory time. If we work overtime, we are not paid, but we are docked if we miss half a day. Good drinking water should be provided. The stores should be ventilated thoroughly every morning after being closed all night. During the winter, stores should be heated comfortably all day. One store turns on the gas a little while in the cold winter mornings, then turns it off for the rest of the day, when the girls are half frozen and catch hard colds."

Not any of the stores give half holidays during the warm weather. Only one establishment has provided a place where employes can eat their lunch. In all, except one store, the toilet and sanitary arrangements were fair. Apparently there are no children employed under the legal age.

FISHING TACKLE.

Long hours and poor wages prevail in factories making fishing tackle. Sanitary conditions fair, and work rooms well lighted. A part of the work is paid for at the rate of $8\frac{3}{4}$ cents an hour. Those packing fish hooks are paid from $3\frac{1}{2}$ to 4 cents per thousand, according to size of hooks. One-half hour is allowed for noon, and $10\frac{1}{4}$ hours constitute a day's work.

FLOURING MILL PRODUCTS.

With the exception of about four or five weeks, the cereal mills give employment to several hundred girls each year. The three mills visited presented fairly good sanitary conditions; two were inadequately supplied with fire escapes, while the third and smallest establishment did not have a single fire escape on the entire building.

The work of girls consists mainly in papering the boxes, and in placing and removing them from the filling machines. Workers are paid by the piece, except the fillers and packers, who receive 80 cents per day; for papering boxes, the price is 10 cents for six dozen. Expert workers make from \$1.00 to \$1.25 per day; beginners receive on an average of about 50 cents for a day's work of ten hours. These figures are quoted from employes of a large mill. Wages vary very little in all of the mills.

LAUNDRIES.

Apparently fair conditions exist in the laundries. Work rooms are situated on the ground floor thus doing away with climbing stairs, which is such a menace to the health of thousands of working women, who frequently have to climb several flights of stairs.

Laundry workers are paid by the day, and work is steady all the year. Summer is, of course, the busiest season, when overtime is sometimes required, and always paid for. Expert ironers make fair wages—\$7.00 and \$8.00 per week; other branches of the work pay from \$5.00 to \$6.00 per week.

MARBLES AND TOYS.

In a factory where marbles and toys are made, the sanitary conditions, and surroundings are very poor. Meager wages, too, are paid. When the agent requested permission to visit the place, the proprietor became indignant, and it was only when he was convinced that his objections against the law were useless that he permitted her to secure statements from the young women employed in the place. Improper language, on the part of the management, was also complained of by the women employed.

PAPER.

The paper mill gives steady employment to about fifty girls. Work is paid for by the hour at the rate of 8½ cents. Sanitary conditions fair.

PRINTING AND BINDING.

About 350 girls are employed in book-binding and printing establishments. While the work is done under fair sanitary conditions, the wages are exceedingly poor. An average of 90 per cent. of the workers are paid by the piece.

One of the largest concerns, employing about 300 girls, claims that wages is as high as \$8.00 and \$9.00 per week. It was found upon investigation that when those figures were earned, it was when the operatives worked until 9 o'clock three nights of the week during January, February and March. The facts were purposely misrepresented. The young women were also instructed by the foreman not to tell the exact wages paid—to tell the agent "That was the firm's business." The injunctions were disobeyed, however, as in every instance employes were very willing to assist the agent by telling the truth about the wages they received. The average weekly wage was found to be \$5.00; some experts earn \$6.00 and \$7.00, but they are the exception.

Beginners are paid \$3.00 a week for a year, after which they are given 50 cents each year until receiving \$4.00 a week. In many cases, girls are given piece work, after working a year, as time workers. A young girl of eighteen had been employed four years by the same firm, and was earning \$3.50 a week; another, working six years on the sewing machine, made between \$5.00 and \$6.00 a week.

Workers who cut off the books as they come from the machines are paid 3, 4 and 5 cents per hundred, making about \$4.00 a week. Sewing the books on machines is paid for at the rate of 8 and 10 cents per hundred. Cutting corners pays 4 and 5 cents per hundred; gluing corners, 20 and 22 cents per hundred; and cornering, 16 and 20 cents per hundred.

Young women considered expert in all branches of the trade average about \$6.00 per week the year around.

RUBBER GOODS.

The rubber factories are the largest and most important employing women in Akron. Work is mostly paid for by the piece, and, owing to the immense variety

of articles manufactured, there is a corresponding diversity in wages; while experts in the specialty departments earn from \$1.25 to \$1.80 per day, other, in the trimming department, who are paid $1\frac{1}{2}$ cents per pound for trimming, have made as little as 12 cents a day. If a rubber article is spoiled in the making, the cost of the rubber is deducted from the worker's wages. One young woman complained that the rubber in bulbs, on which several were working, was of such an inferior quality they would not hold the air, consequently the cost of the bulbs was deducted from their wages. She left on account of the imposition. A week's time is given beginners to learn before wages are docked for spoiling rubber. One young woman told that she had worked hard trimming rubber and earned \$2.00 that week, and out of that was deducted \$1.50 for "spoiled" articles. While it is true the manufacturers need to exert precautions to prevent too much carelessness among their workers, it seems, from all accounts, some of their measures are unjust and bitterly complained of.

In the largest factory, all who have worked steadily for a month are given a day off with pay.

In all factories, sanitary conditions were fair, but there were no rest or lunch rooms.

TELEPHONE OPERATORS.

While sanitary conditions are fair at the telephone exchanges, the hours are very long, considering the nature of the work. To sit chained, as it were, in the same position at a desk for ten hours a day is trying on the nerves, as well as exhausting to the body. One young woman said, she never knew what it was to be nervous, until going to work in the telephone exchange, where after six months' service, she had to give up to a siege of nervous prostration.

Beginners work the first two weeks for nothing, then receive \$9.00 a month; after a time, receiving \$12.00 a month; from that, wages vary from \$16.00 to \$25.00, — the latter being the best salary paid to expert operators.

Through the kindness of the chief operator at one of the exchanges, the work is so arranged that the operators take turns working every other Sunday. At this same place, out of their meager wages, the operators collected money enough to buy a carpet for their rest-room.

It is the opinion of the chief operator, that there would be better telephone service if better wages were paid, as girls would then remain longer in the work; as it is, she says, there is a constant changing of operators, who leave for better paying positions, when they would not do so if paid better wages.

At one exchange, the operators get a ten-minute recess in the morning and afternoon, while, at another, permission is required to leave the room. Both exchanges give an hour at noon, and pay for all overtime.

TABLE I — WORKING WOMEN — AKRON.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Clerks	108	22	45.8	1.5	63	.2	.....	.5	\$5 03	.....	\$0 01	\$2 57	.....	\$1 63	\$1 02	6	\$0 05
Fishing tackle	54	19	34.8	12.5	63.1	.1	.....	.6	4 86	.....	.....	2 75	.....	1 55	1 37	1	.....
Flouring mill products.....	162	20	37.3	5.7	60	.....	.....	.2	5 22	.....	.....	2 60	\$0 01	1 54	1 32	4	.02
Laundries	72	24	44.2	2.8	60	.2	.....	.2	5 05	.....	.....	2 66	.....	1 73	1 34	14	.....
Marbles and toys.....	18	20	41.2	7.1	60	.1	.....	.5	4 23	.....	.....	2 67	.....	1 50	72	1	.....
Paper	54	21	44.2	4.7	60	.6	.....	.2	4 83	.....	.....	2 50	.....	1 50	1 03	4	.....
Printing and binding.....	180	20	46.2	1.7	54	.3	.....	.5	4 79	.....	.....	2 71	.....	1 58	1 14	12	.....
Rubber goods	216	20	39.6	7.2	60	.3	.....	.3	5 66	.....	.....	2 79	.....	1 74	1 45	13	.04
Telephone operators	38	21	45.1	2.5	62	.8	.....	.....	5 25	.....	.....	2 75	.....	1 10	74	3	.03
Totals and averages.....	900	21	41.7	4.7	59.4	.2	.....	.7	\$5 15	.....	.....	\$2 68	.....	\$1 60	\$1 22	58	\$0 02

TABLE .II — AKRON.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE IIa—WORKING WOMEN—AKRON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income of other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Clerks	American	19	50	63	63	2			\$4 00			\$2 00			\$0 50		
"	"	25	50	63	63			2	5 00								
"	"	*17	8	63	63				3 00								
"	"	*24	32	63	63				4 00								
"	"	*20	16	63	63				3 00								
"	"	*18	20	63	63				3 25			2 50		50	25		
"	"	20	32	63	63			20	3 00								
"	"	17	52	63	63				2 50								
"	"	17	52	63	63				2 50			2 50		2 00			
"	"	*23	6	63	63				5 00			2 50		2 00			
"	"	19	51	63	63	1			5 00								
"	"	21	52	63	63				6 00			2 50		2 00	1 50		
"	"	20	52	63	63				6 00			3 00		2 00	1 00		
"	"	22	52	63	63				5 00			2 50		1 50	1 00		
"	"	20	52	63	63				5 00			2 50		1 50	1 00		
"	"	19	52	63	63				5 00			2 50		1 50	1 00		
"	"	17	51	63	63	1			2 50								
"	"	16	52	63	63				3 00								
"	"	17	52	63	63				6 00			2 00		2 00	2 00		
"	"	26	52	63	63				4 00								
"	"	24	51	63	63	1			5 00								
"	"	32	52	63	63				5 00								
"	"	23	50	63	63	1		1	5 00								
"	"	20	50	63	63	2			5 00								
"	"	18	52	63	63				5 00								
"	"	19	51	63	63	1			5 00								
"	"	*36	12	63	63				4 00		\$1 00	3 75		1 00	25		
"	"	23	52	63	63				5 00			2 00		2 00	1 00		
"	"	22	52	63	63				5 00			2 00		1 50	1 50		
"	"	20	52	63	63				5 00								
"	"	20	40	63	63			12	4 00			2 00		1 50	50		
"	"	20	52	63	63				5 00			2 00		1 50	1 50		
"	"	39	52	63	63				9 00							2	
"	"	24	52	63	63				6 00			4 00		1 50	50		

TABLE IIa — WORKING WOMEN — AKRON — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clerks.	American	19	52	63	63	63	63	\$5 00	.....	.....	\$2 50	.....	\$1 50	\$1 00	.....	.....
"	"	24	52	63	63	63	63	5 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	"	23	52	63	63	63	63	8 00	.....	.....	3 00	.....	2 00	2 00	.....	.....
"	"	*29	20	63	63	63	63	6 00	.....	.....	2 00	.....	1 50	2 50	.....	\$1 00
"	"	*19	16	63	63	63	63	12 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	63	63	63	63	4 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	"	30	52	63	63	63	63	5 00	.....	.....	2 00	.....	1 50	2 00	.....	.....
"	"	*18	26	63	63	63	63	3 00	.....	.....	1 50	.....	.....	.....	.....	.....
"	"	21	52	63	63	63	63	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	48	63	63	63	63	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	52	63	63	63	63	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	63	63	63	63	5 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	"	22	52	63	63	63	63	5 00	.....	.....	3 00	.....	1 50	1 50	.....	.....
"	"	27	52	63	63	63	63	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	63	63	63	63	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	48	63	63	63	63	5 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	"	22	52	63	63	63	63	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	63	63	63	63	3 00	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	26	48	63	63	63	63	5 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	22	45.8	1.5	63	.2	.5	\$5 03	.....	\$0 01	\$2 57	.....	\$1 63	\$1 02	6	\$0 05

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IIb — WORKING WOMEN — AKRON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.			
Fishing tackle.	French	21	50	64	2			\$8.00			\$3.00	\$1.50	\$1.50				
"	English	26	42	57			10	6.00									
"	American	18	52	64				6.00									
"	"	*14	8	64				4.50									
"	"	23	52	64				3.00									
"	"	*26		64				5.00									
"	"	17		64				2.50									
"	"	*16	28	64				2.50									
"	"	*10	42	64				2.50									
"	German	17	52	64				2.50			3.00	2.00	2.50				
"	American	18	52	64				5.00									
"	"	14	52	64				5.00									
"	"	*18	40	64			12	6.00									
"	"	*14	26	64				3.00									
"	"	*17	40	64				4.00			2.50	1.50	1.50				
"	"	*15	20	64				5.00									
"	"	*26	40	64				4.00									
"	"	17	52	64				4.50									
"	"	*15		60				7.50									
"	"	25	52	64				6.00									
"	"	18	3	60				5.25									
"	"	20	52	64				4.50									
"	"	*20		60				3.00			2.25	1.25	1.00				
"	"	16	52	60				2.25									
"	"	15		60				4.00									
"	"	16	52	64				4.00									
"	"	15	52	64				4.00									
"	"	22	52	64				6.00			3.00	1.50	1.50				
"	"	16		60				4.80			2.50	1.50	1.50				
"	"	16	52	64				6.00			3.00	1.50	1.50				
"	"	23	52	64				6.00			3.00	1.50	1.50				
"	"	22	52	60				2.50									
"	"	21	52	60				4.50			2.00	1.50	1.00				
"	"	19	52	60				3.50									
"	"	20	52	64				6.00			2.50	.00	1.50				

TABLE IIb — WORKING WOMEN — AKRON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males, Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other nec- essaries.		
Fishing tackle.....	American	16	52	60	64	.....	.....	.....	\$4 50	.....	.....	\$3 00	.....	\$1 50	\$0 50	.....	.....
"	"	26	52	64	64	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	27	48	64	64	.....	.....	4	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	*16	20	64	64	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	64	64	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	64	64	.....	.....	.....	5 00	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	20	48	64	64	.....	.....	.....	6 00	.....	.....	3 00	.....	1 50	1 50	.....	.....
"	"	17	50	64	64	.....	.....	2	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	50	64	64	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	27	51	64	64	.....	.....	1	6 00	.....	.....	2 50	.....	1 50	2 00	.....	.....
"	"	25	40	12	64	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	16	50	64	.....	.....	2	3 25	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	48	4	64	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	64	64	.....	.....	.....	6 00	.....	.....	.....	.....	1 50	1 50	.....	.....
"	"	20	52	64	64	.....	.....	.....	6 00	.....	.....	3 50	.....	.....	.....	.....	.....
"	"	21	52	64	64	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	64	64	.....	.....	2	6 00	.....	.....	3 00	.....	1 50	1 50	.....	.....
"	"	17	52	64	64	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*15	48	64	64	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	19	34.8	12.5	63.1	.1	.....	.6	\$4 86	.....	.....	\$2 75	.....	\$1 55	\$1 37	1	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IIc—WORKING WOMEN—AKRON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Flouring mill products..	American	16	...	60	...	...	...	\$4 80	...	...	\$2 00	...	\$1 80	\$1 00	...	...
"	"	*25	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	17	20	60	...	...	...	4 50	...	...	...	...	...	...	...	...
"	"	*15	12	60	...	...	...	4 80	...	...	2 00	...	1 00	1 80	...	...
"	"	17	52	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	*15	12	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	19	48	60	...	...	...	4 80	...	...	3 00	...	2 00	2 00	...	...
"	"	*22	52	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	18	12	52	60	...	...	4 50	...	...	1 00	...	1 00	2 50	...	...
"	"	17	52	60	...	...	...	4 50	...	...	2 00	...	1 50	1 00	...	...
"	"	17	36	60	...	...	...	4 00	...	...	2 00	...	1 50	1 50	...	...
"	"	18	...	52	60	...	...	3 00	...	...	...	...	...	...	...	\$1 50
"	"	*17	8	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*16	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	17	12	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	18	...	52	60	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*16	26	60	...	...	...	0 00	...	...	...	...	...	...	...	...
"	"	18	4	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	*17	28	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	33	12	40	60	...	...	4 80	...	...	...	...	...	...	...	...
"	"	*23	12	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	*19	12	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	21	...	52	60	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*15	12	60	...	...	...	5 00	...	...	2 00	...	1 50	1 50	...	...
"	"	*17	32	60	...	...	...	6 00	...	...	2 00	...	1 50	2 50	...	...
"	"	*19	32	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	24	...	52	60	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*15	16	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	18	26	60	...	...	...	4 50	...	...	2 50	...	2 00	1 50	...	1 50
"	"	18	26	60	...	...	26	7 50	...	...	...	...	...	...	...	...
"	"	*20	2	26	60	...	...	4 50	...	...	...	...	...	...	...	...
"	"	*22	...	26	60	...	...	4 50	...	...	...	...	...	...	...	...
"	"	22	52	60	...	...	...	6 00	...	...	...	...	...	...	...	...

TABLE IIc — WORKING WOMEN — AKRON — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Flouring mill products..	American	18	49	...	60	3	...	...	\$5 00	...	...	...	...	...	...	...	...
"	"	27	52	...	60	...	...	...	6 00	6 00	...	...	...	...	...	...	...
"	"	17	40	...	60	...	...	12	6 00	...	...	...	...	...	...	...	...
"	"	23	48	...	60	...	...	4	6 00	...	...	...	...	...	...	...	...
"	"	20	48	...	60	...	...	4	6 00	...	...	3 00	...	1 50	1 50	...	...
"	"	18	48	...	60	...	...	4	6 00	...	...	...	...	...	...	...	...
"	"	*16	...	16	...	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	21	48	...	60	...	...	4	6 00	...	...	3 00	...	1 50	1 50	...	...
"	"	23	48	...	60	12	...	4	6 00	...	...	2 50	...	1 50	2 00	...	...
"	"	22	40	...	60	...	...	4	6 00	...	...	2 50	...	1 50	2 00	...	...
"	"	19	48	...	60	...	...	4	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	18	48	...	60	...	...	4	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	21	48	...	60	...	...	4	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	18	48	...	60	...	...	4	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	22	48	...	60	...	...	4	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	*19	8	...	...	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	*15	26	...	60	...	...	...	5 50	...	...	...	...	...	...	...	...
"	"	*17	30	...	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	17	...	52	...	...	...	...	2 50	...	...	...	...	...	...	...	...
"	"	*18	26	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	21	48	...	60	...	...	4	6 00	...	...	...	...	...	...	...	...
"	"	17	48	...	60	...	...	4	6 00	...	...	...	...	...	...	...	...
"	"	*18	8	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	22	48	...	60	...	...	4	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	*16	8	...	60	...	...	...	6 00	...	...	2 50	...	2 00	1 50	...	...
"	"	20	40	...	60	...	...	12	5 00	...	...	2 50	...	1 50	2 00	...	...
"	"	16	40	...	60	...	...	12	5 00	...	...	2 50	...	1 50	2 00	...	...
"	"	20	40	...	60	...	...	12	5 00	...	...	2 50	...	1 50	2 00	...	...
"	"	17	48	...	60	...	...	4	4 80	...	...	2 50	...	1 30	1 00	...	...
"	"	18	50	...	60	...	...	2	4 80	...	...	2 50	...	...	...	...	...
"	"	24	50	...	60	...	...	2	4 80	...	...	2 50	...	...	...	...	...
"	"	21	50	...	60	...	...	2	4 80	...	...	2 50	...	...	...	...	...
"	"	17	48	...	60	...	...	4	4 80	...	...	2 50	...	...	...	...	...
"	"	17	52	...	60	...	...	...	4 80	...	...	2 50	...	...	...	...	...

Flouring mill products..	American	60	60	40	30	100	150	80
16	48	60	60	40	30	100	150	80
19	52	60	60	40	30	100	150	80
20	52	60	60	40	30	100	150	80
22	52	60	60	40	30	100	150	80
25	52	60	60	40	30	100	150	80
22	52	60	60	40	30	100	150	80
22	52	60	60	40	30	100	150	80
23	52	60	60	40	30	100	150	80
25	52	60	60	40	30	100	150	80
22	52	60	60	40	30	100	150	80
25	52	60	60	40	30	100	150	80
18	52	60	60	40	30	100	150	80
18	48	60	60	40	30	100	150	80
20	48	60	60	40	30	100	150	80
23	50	60	60	40	30	100	150	80
22	50	60	60	40	30	100	150	80
23	48	60	60	40	30	100	150	80
34	50	60	60	40	30	100	150	80
17	44	60	60	40	30	100	150	80
24	8	60	60	40	30	100	150	80
30	50	60	60	40	30	100	150	80
19	50	60	60	40	30	100	150	80
17	50	60	60	40	30	100	150	80
16	8	60	60	40	30	100	150	80
21	50	60	60	40	30	100	150	80
23	50	60	60	40	30	100	150	80
24	40	60	60	40	30	100	150	80
19	26	60	60	40	30	100	150	80
28	52	60	60	40	30	100	150	80
17	26	60	60	40	30	100	150	80
16	52	60	60	40	30	100	150	80
15	52	60	60	40	30	100	150	80
28	52	60	60	40	30	100	150	80
16	52	60	60	40	30	100	150	80
32	52	60	60	40	30	100	150	80
17	48	60	60	40	30	100	150	80
18	50	60	60	40	30	100	150	80
24	49	60	60	40	30	100	150	80
21	48	60	60	40	30	100	150	80
20	48	60	60	40	30	100	150	80
23	50	60	60	40	30	100	150	80
20	20	60	60	40	30	100	150	80
18	50	60	60	40	30	100	150	80
16	51	60	60	40	30	100	150	80
21	28	60	60	40	30	100	150	80
19	40	60	60	40	30	100	150	80
18	50	60	60	40	30	100	150	80
16	40	60	60	40	30	100	150	80
30	49	60	60	40	30	100	150	80
24	20	60	60	40	30	100	150	80
17	50	60	60	40	30	100	150	80
19	49	60	60	40	30	100	150	80

TABLE IIc — WORKING WOMEN — AKRON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Flouring mill products..	American	20	47	50	60	..	..	5	\$4 80	..	..	\$2 00	..	\$1 80	\$1 00	..
"	"	18	50	50	60	..	..	2	4 80	..	..	2 50	..	1 00	1 30	..
"	"	19	50	50	60	..	..	2	4 80	..	..	2 25	..	1 75	80	..
"	"	24	50	50	60	..	..	2	4 80	..	..	..	..	..	..	..
"	"	21	50	50	60	..	..	2	4 80	..	..	..	..	..	..	..
"	"	30	50	50	60	..	..	2	6 00	..	..	..	..	..	..	..
"	"	18	49	50	60	..	..	3	6 00	..	..	..	..	..	..	..
"	"	17	51	51	60	..	..	1	6 00	..	..	..	..	..	..	..
"	"	19	48	50	60	..	..	4	6 00	..	..	2 50	50	2 00	1 00	1
"	"	24	50	50	60	..	..	2	3 89	..	..	..	..	..	..	..
"	"	*16	48	..	60	..	..	..	3 00	..	..	..	..	..	..	..
"	"	*18	48	..	60	..	..	..	3 00	..	..	..	..	..	..	..
"	"	24	50	50	60	..	..	2	6 00	..	..	..	..	..	..	..
"	"	*16	25	..	60	..	..	..	6 00	..	..	..	..	..	..	..
"	"	18	49	50	60	..	..	3	4 80	..	..	2 00	..	1 80	1 00	..
"	"	24	12	40	60	..	..	..	4 80	..	..	..	..	..	..	..
"	"	26	50	50	60	..	..	2	5 00	..	..	..	..	..	..	..
"	"	17	49	..	60	..	..	3	4 00	..	..	2 00	..	1 50	50	..
"	"	*18	20	..	60	..	..	..	3 00	..	..	..	..	..	..	..
"	"	18	50	50	60	..	..	..	5 00	..	..	2 50	..	1 50	1 00	..
"	"	24	48	..	60	..	..	4	5 00	..	..	..	..	..	..	1
"	"	20	50	50	60	..	..	2	5 00	..	..	..	..	..	..	..
"	"	21	50	..	60	..	..	3	5 00	..	..	..	..	..	..	..
"	"	20	49	..	60	..	..	2	5 00	..	..	3 00	..	1 50	50	..
"	"	*17	40	..	60	..	..	..	4 80	..	..	..	..	..	..	..
"	"	18	50	..	60	..	..	2	6 00	..	..	..	..	..	..	..
"	"	18	48	..	60	..	..	4	6 00	..	..	..	..	..	..	..
"	"	17	50	..	60	..	..	2	5 00	..	..	2 50	..	1 00	1 00	..
"	"	*16	20	..	60	..	..	..	4 80	..	..	..	..	..	..	..
"	"	18	50	..	60	..	..	2	5 00	..	..	3 00	..	1 50	50	..
"	"	19	12	40	60	..	..	..	5 00	..	..	..	..	..	..	..
"	"	20	50	..	60	..	..	2	5 00	..	..	3 00	..	2 00	1 00	..
"	"	19	50	..	60	..	..	2	5 00	..	..	2 50	..	..	50	..
"	"	20	49	..	60	..	..	3	5 00	..	..	..	..	..	..	..

TABLE II*d*—WORKING WOMEN—AKRON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Throug sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income o ther than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	O ther neces- saries.		
Laundries	American	24	52	.....	60	.....	.....	.....	\$7 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	*14	16	.....	60	.....	.....	.....	8 00	.....	.....	.....	.....	.....	.....	2	.....
"	"	45	52	.....	60	.....	.....	.....	7 00	.....	.....	.....	.....	.....	.....	3	.....
"	"	*26	20	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	2	.....
"	"	16	52	.....	60	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	*36	2	.....	60	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	1	.....
"	German	16	52	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	1	.....
"	American	19	52	.....	60	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	27	50	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	24	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	*31	4	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	39	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	16	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	25	52	.....	60	.....	.....	.....	6 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	43	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	21	48	4	60	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	51	.....	60	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	22	50	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	50	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	21	50	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	27	52	.....	60	.....	.....	.....	7 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	24	52	.....	60	.....	.....	.....	6 50	.....	.....	.....	.....	.....	.....	1	.....
"	"	30	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	29	51	.....	60	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	52	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	24	52	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	21	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	28	40	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	30	52	.....	60	.....	.....	.....	4 25	.....	.....	.....	.....	.....	.....	1	.....
"	"	29	52	.....	60	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	1	.....
"	"	36	52	.....	60	.....	.....	.....	6 50	.....	.....	.....	.....	.....	.....	1	.....
"	"	24	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	50	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	19	48	4	60	.....	.....	.....	5 50	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	50	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	50	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	1	.....

TABLE IIe — WORKING WOMEN — AKRON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.			Other neces- saries.
Marbles and toys.....	American	20	52	.....	60	.....	.....	\$5 00	.....	.....	\$2 50	.....	\$1 50	\$1 00	.....	.....
"	"	24	52	.....	60	.....	.....	5 00	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	20	26	26	60	.....	.....	5 00	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	22	52	.....	60	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	20	32	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	40	12	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	14	50	.....	60	2	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	.....	60	.....	.....	4 00	.....	.....	3 00	.....	1 50	50	1	.....
"	"	26	50	.....	60	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	.....	60	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	26	26	60	.....	.....	4 00	.....	.....	2 00	.....	1 50	50	.....	.....
"	"	*21	26	.....	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	*16	24	.....	.....	60	.....	.....	5 00	.....	.....	2 75	.....	1 50	75	.....	.....
"	"	18	52	.....	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	20	32	60	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	48	.....	60	.....	4	3 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	24	52	.....	60	.....	.....	5 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	26	50	.....	60	.....	.....	5 00	.....	.....	3 00	.....	1 50	50	.....	.....
Totals and averages..	.....	20	41.2	7.1	60	.1	.....	\$4 28	.....	.....	\$2 67	.....	\$1 50	\$0 72	1	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE II*f*—WORKING WOMEN—AKRON.

Occupation.	Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.			Other neces- saries.
Paper	American	51	...	60	1			\$9	40		\$2 50	\$1 50	\$1 40	1	
"	"	29	26	60				40	40		2 00	1 50	1 90		
"	"	24	52	60				25	25		2 50	1 50	1 40		
"	"	26	50	60				40	40						
"	"	17	52	60				30	30						
"	"	17	52	60				10	10						
"	"	20	51	60	1			10	10		2 00	1 60	1 50		
"	"	40	40	60	12			9	9		3 00	1 50	60		
"	"	25	52	60				10	10		3 00	1 50	60		
"	"	16	52	60	4			10	10		3 00	1 50	60		
"	"	16	52	60				10	10		2 50	1 50	1 10		
"	"	21	52	60				6	6						
"	"	20	52	60				4	4						
"	"	17	26	60				4	4						
"	"	15	26	60				4	4						
"	"	14	52	60				4	4						
"	"	20	51	60				10	10						
"	"	20	51	60	1			10	10						
"	"	18	52	60				10	10						
"	"	40	50	60	2			10	10						
"	"	40	50	60				10	10						
"	"	28	48	60	4			4	4		2 00	1 50	1 50	2	
"	"	29	50	60				4	4						
"	"	26	52	60				4	4						
"	"	18	52	60				4	4						
"	"	16	20	60				4	4						
"	"	16	24	60				4	4						
"	"	16	40	60				4	4		2 50	1 50	50		
"	"	18	40	60				4	4		2 50	1 75	60		
"	"	19	52	60				4	4		2 00	1 50	1 00		
"	"	18	40	60				4	4						
"	"	26	50	60				4	4		2 50	1 00	1 00		
"	"	24	51	60				5	5						
"	"	24	51	60				5	5						
"	"	20	52	60				4	4						
"	"	21	52	60				4	4						

TABLE II/ — WORKING WOMEN — AKRON — Concluded.

Occupation.	Naivety.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Paper	American	20	52	60	60	60	60	60	5 40	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	60	60	60	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	60	60	60	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	50	60	60	2	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	40	12	60	60	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	60	60	60	60	60	5 10	.....	.....	2 10	.....	1 50	1 50	.....	.....
"	"	19	51	60	60	60	60	60	5 10	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	50	60	60	60	60	60	5 10	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	50	60	60	60	60	60	5 40	.....	.....	3 00	.....	1 40	1 00	.....	.....
"	"	23	49	60	60	60	60	60	5 40	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	60	60	3	60	60	5 40	.....	.....	2 40	.....	1 50	1 50	.....	.....
"	"	24	40	12	60	60	60	60	5 10	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	60	60	60	60	60	5 10	.....	.....	2 50	.....	1 90	70	.....	.....
"	"	* 16	48	60	60	60	60	60	5 10	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	* 16	30	60	60	60	60	60	4 50	.....	.....	2 25	.....	1 50	75	.....	.....
"	"	17	51	60	60	60	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	51	60	60	60	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	60	60	60	60	60	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	26	52	60	60	60	60	60	4 50	.....	.....	2 00	.....	1 50	1 00	.....	.....
Totals and averages..	.....	21	44.2	4.7	60	.6	.....	.2	\$4 93	.....	.....	\$2 50	.....	\$1 50	\$1 03	4	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IIg — WORKING WOMEN — AKRON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Printing and binding...	American	52	...	54	...	...	...	\$8.00	...	...	\$3.00	\$1.75	\$1.25	...	...
"	"	20	...	54	...	...	...	6.00	...	...	...	...	...	...	...
"	"	*17	...	54	...	...	...	6.00	...	...	...	...	...	...	...
"	"	*17	...	54	...	...	...	6.00	...	...	...	...	...	...	...
"	"	22	...	54	...	...	...	6.50	...	...	8.00	1.50	1.50	...	...
"	"	22	...	54	...	...	...	5.00	...	...	...	...	...	...	...
"	"	17	...	54	...	...	...	6.50	...	...	...	...	...	...	...
"	"	29	...	54	...	...	...	6.00	...	...	2.50	2.00	1.50	...	...
"	"	48	...	54	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	18	...	54	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	22	...	54	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	28	...	54	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	23	...	54	...	...	...	5.40	...	...	...	...	...	...	...
"	"	23	...	54	...	...	...	5.40	...	...	...	...	...	...	...
"	"	*14	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	4	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	"	*16	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	8	...	54	...	...	...	4.50	...	...	...	...	...	...	...
"	"	19	...	54	...	...	...	4.50	...	...	...	...	...	...	...
"	"	51	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	19	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	"	21	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	"	21	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	"	21	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	"	*20	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	"	48	...	54	...	...	...	3.50	...	...	...	...	...	...	...
"	Russian	*15	...	54	...	...	...	3.00	...	...	2.50	75	25	...	...
"	American	20	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	20	...	54	...	...	...	4.50	...	...	...	...	...	...	...
"	"	51	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	15	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	15	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	23	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	52	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	23	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	21	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	50	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	13	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	19	...	54	...	...	...	4.00	...	...	2.00	1.50	50	...	...
"	"	45	...	54	...	...	...	4.00	...	...	3.00	75	25	...	...
"	"	21	...	54	...	...	...	4.00	...	...	2.00	1.00	1.00	...	...
"	"	19	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	26	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	15	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	17	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	12	...	54	...	...	...	3.00	...	...	3.00	1.50	1.50	...	...
"	"	24	...	54	...	...	...	3.00	...	...	...	...	...	...	...
"	"	52	...	54	...	...	...	4.00	...	...	3.00	1.50	1.50	...	...
"	"	22	...	60	...	...	...	4.00	...	...	3.00	1.50	1.50	...	...
"	"	21	...	52	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	21	...	52	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	21	...	54	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...
"	"	21	...	54	...	...	...	6.00	...	...	3.00	1.50	1.50	...	...

[illegible]

TABLE IIg — WORKING WOMEN — AKRON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Printing and binding....	American	24	50		54							2 50		1 50	50		
"	"	26	52		54							2 50		2 00	1 50	1	
"	"	23	52		54												
"	"	27	50		54			2								1	
"	Irish	29	51		54	1											
"	American	28	50		54			2				3 50	2 00	2 00	1 00		
"	"	26	50		54							3 00	1 50	1 50	1 50		
"	"	27	52		54							2 75	1 75	1 75	1 50		
"	"	24	52		54							2 25	1 75	1 75	1 50		
"	"	27	52		54												
"	"	17	26		54												
"	"	16	52		54												
"	"	18	52		54												
"	"	17	52		54												
"	"	16	32		54												
"	"	18	52		54							3 00	1 50	1 50	50	1	
"	"	19	52		54												
"	"	20	52		54							2 50	1 50	1 00	1 00		
"	"	24	50		54							2 50	1 50	1 00	1 00		
"	"	27	50		54		2					3 00	1 50	1 50	50		
"	"	20	49		54		3					3 00	1 00	1 00	1 00		
"	"	25	52		54											1	
"	German	23	52		54							3 00	2 00	2 00	2 00		
"	American	*18	40		54												
"	"	*16	30		54												
"	"	25	52		54							3 50	1 50	1 00	1 00		
"	"	19	52		54												
"	"	18	50		54		2					2 00	1 50	1 50	50		
"	"	18	51		54		1										
"	"	20	50		54												
"	"	24	50		54							3 00	2 00	2 00	1 00		
"	"	23	50		54		2					3 50	1 50	1 50	1 50		
"	"	21	52		54												
"	"	20	52		54												

Printing and binding....	American	18	40	12	54	.....	.....	.....	6 00	.....	.....	3 00	2 00	1 00	.....	.....	.....
"	"	*17	40	.....	54	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*16	20	.....	54	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*16	24	.....	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	.....	54	.....	.....	.....	6 00	.....	.....	.....	2 00	1 00	.....	.....	.....
"	German	21	52	.....	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	German	20	50	.....	54	2	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	German	19	40	.....	54	3	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	American	19	50	.....	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	50	.....	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	48	4	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	50	.....	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	23	40	.....	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	52	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	27	52	.....	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	52	.....	54	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*15	30	.....	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	54	2	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	50	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	20	46.2	1.7	54	.3	.....	.....	\$4 79	.....	.....	\$2 71	\$1 58	\$1 14	12	.....	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE III — WORKING WOMEN — AKRON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Througk sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Rubber goods.	American	*15	7	...	60	...	...	...	\$4 50	...	...	\$2 00	...	\$1 50	\$1 00	...	+
"	"	25	52	...	60	...	...	...	4 50	...	...	3 00	...	2 00	2 50	...	+
"	"	24	52	...	60	...	...	...	7 50	...	...	3 00	...	2 00	1 00	...	+
"	"	*18	48	...	60	...	...	4	6 00	...	...	...	...	...	...	...	+
"	"	16	...	52	60	...	...	...	6 00	...	...	...	...	...	...	...	+
"	"	18	48	...	60	...	...	4	4 50	...	...	2 50	...	1 00	1 00	...	+
"	"	19	...	52	60	...	...	...	4 50	...	...	...	...	...	...	...	+
"	"	*21	...	40	60	...	...	...	4 50	...	...	2 50	...	1 50	2 00	...	+
"	"	18	52	...	60	...	...	...	6 50	...	...	...	...	...	...	...	+
"	"	16	52	...	60	...	...	...	4 50	...	...	...	...	...	...	...	+
"	"	24	52	...	60	...	...	...	4 50	...	...	...	...	...	...	...	+
"	"	*15	...	4	60	...	...	...	4 50	...	...	2 50	...	2 50	1 50	...	+
"	"	*22	...	16	60	...	...	...	6 50	...	...	...	...	...	...	...	+
"	"	22	52	...	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	19	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	17	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	19	...	52	60	...	...	...	3 50	...	...	2 50	...	2 00	1 50	...	+
"	"	20	52	...	60	...	...	...	6 50	...	...	...	...	...	...	...	+
"	"	16	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	18	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	*15	2	5	60	...	...	...	4 80	...	...	...	...	...	...	...	+
"	"	28	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...	+
"	"	23	52	...	60	...	...	...	6 50	...	...	...	...	...	...	...	+
"	"	17	...	52	60	...	...	...	3 50	...	...	...	...	...	...	...	+
"	"	18	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	18	8	44	60	...	...	...	4 00	...	...	...	...	...	...	...	+
"	"	20	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	18	52	...	60	...	...	...	6 00	...	...	2 75	...	1 25	1 00	...	+
"	"	18	52	...	60	...	...	...	5 00	...	...	2 50	...	1 50	1 00	...	+
"	"	22	52	...	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	15	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	16	...	52	60	...	...	...	7 00	...	...	...	...	...	...	...	+
"	"	19	...	52	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	*18	28	...	60	...	...	...	8 00	...	...	...	...	...	...	...	+
"	"	17	52	...	60	...	...	...	8 00	...	...	...	...	...	...	...	+

Rubber goods.....	American	52	60	3 00	2 50	1 50	2 00	2 00	2
"	American	23	60	6 50	2 50	1 50	2 00	2 00	
"	German	26	60	6 00	2 50	1 50	2 00	2 00	
"	American	24	60	6 00	2 50	1 50	2 00	2 00	
"	Canadian	41	60	8 25	6 00	5 50	6 00	6 00	
"	American	*18	26	7 00	7 00	2 00	1 50	2 50	
"	English	21	52	6 00	6 00	1 50	2 50	2 00	
"	"	22	52	7 00	7 00	1 50	2 50	2 00	
"	American	25	52	7 00	7 00	1 50	2 50	2 00	
"	Irish	28	52	7 00	7 00	1 50	2 50	2 00	
"	American	20	52	8 00	8 00	1 50	2 00	2 00	
"	"	23	52	8 00	8 00	1 50	2 00	2 00	
"	"	20	52	8 00	8 00	1 50	2 00	2 00	
"	"	29	52	8 00	8 00	1 50	2 00	2 00	
"	"	*17	52	8 00	8 00	1 50	2 00	2 00	
"	"	16	52	8 00	8 00	1 50	2 00	2 00	
"	"	18	52	8 00	8 00	1 50	2 00	2 00	
"	"	*21	52	8 00	8 00	1 50	2 00	2 00	
"	"	20	52	8 00	8 00	1 50	2 00	2 00	
"	"	*23	52	8 00	8 00	1 50	2 00	2 00	
"	"	27	52	8 00	8 00	1 50	2 00	2 00	
"	German	22	52	8 00	8 00	1 50	2 00	2 00	
"	American	21	52	8 00	8 00	1 50	2 00	2 00	
"	"	18	52	8 00	8 00	1 50	2 00	2 00	
"	"	18	52	8 00	8 00	1 50	2 00	2 00	
"	"	31	52	8 00	8 00	1 50	2 00	2 00	
"	"	22	52	8 00	8 00	1 50	2 00	2 00	
"	"	26	52	8 00	8 00	1 50	2 00	2 00	
"	"	21	48	8 00	8 00	1 50	2 00	2 00	
"	"	20	52	8 00	8 00	1 50	2 00	2 00	
"	"	21	52	8 00	8 00	1 50	2 00	2 00	
"	"	19	43	8 00	8 00	1 50	2 00	2 00	
"	"	18	51	8 00	8 00	1 50	2 00	2 00	
"	"	24	50	8 00	8 00	1 50	2 00	2 00	
"	"	21	52	8 00	8 00	1 50	2 00	2 00	
"	"	20	52	8 00	8 00	1 50	2 00	2 00	
"	"	22	52	8 00	8 00	1 50	2 00	2 00	
"	French	21	52	8 00	8 00	1 50	2 00	2 00	
"	American	17	52	8 00	8 00	1 50	2 00	2 00	
"	"	21	52	8 00	8 00	1 50	2 00	2 00	
"	"	18	52	8 00	8 00	1 50	2 00	2 00	
"	"	17	52	8 00	8 00	1 50	2 00	2 00	
"	"	17	50	8 00	8 00	1 50	2 00	2 00	
"	"	17	40	8 00	8 00	1 50	2 00	2 00	
"	"	17	52	8 00	8 00	1 50	2 00	2 00	
"	"	21	52	8 00	8 00	1 50	2 00	2 00	
"	"	10	26	8 00	8 00	1 50	2 00	2 00	
"	"	*16	6	8 00	8 00	1 50	2 00	2 00	
"	"	16	52	8 00	8 00	1 50	2 00	2 00	
"	"	*16	32	8 00	8 00	1 50	2 00	2 00	

TABLE III — WORKING WOMEN — AKRON — Continued.

Occupation.	Age.	Nativity.	No. of weeks employed.			No. of weeks idle,			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Rubber goods.....	23	American	44	...	60	8	...	...	5 03	...	...	...	2 50	...	1 50	1 00	...	.....
"	22	"	52	...	60	...	...	...	6 00	...	...	...	3 00	...	2 00	1 00	...	.....
"	24	"	48	...	60	4	...	...	6 00	...	...	...	2 50	...	1 50	1 00	...	.....
"	19	"	52	...	60	...	...	...	5 00	...	...	...	2 50	...	1 50	1 00	...	.....
"	*24	"	5	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...	.....
"	20	"	52	52	60	...	...	...	3 00	...	...	...	2 25	...	2 00	2 25	...	.....
"	17	"	52	...	60	...	...	...	6 50	...	...	...	2 00	...	2 00	2 00	...	.....
"	17	"	52	52	60	...	...	...	2 50	...	...	...	2 00	...	2 00	2 00	...	.....
"	18	"	52	...	60	...	...	...	4 00	...	...	...	3 00	...	2 00	1 00	...	.....
"	*17	"	4	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...	.....
"	17	"	52	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...	.....
"	*16	"	16	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...	.....
"	*19	"	20	...	60	...	...	...	6 03	...	...	...	...	...	...	...	...	.....
"	*20	"	6	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...	.....
"	*18	"	6	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...	.....
"	16	"	52	...	60	...	...	...	7 00	...	...	...	4 00	...	2 00	1 00	...	.....
"	*20	"	16	...	60	2	...	...	6 03	...	...	...	2 50	...	2 00	1 50	...	.....
"	15	"	...	52	60	...	...	...	4 00	...	...	...	...	...	...	...	...	.....
"	16	"	51	...	60	1	...	...	5 50	...	...	...	...	...	...	...	...	.....
"	20	"	32	...	60	...	...	...	5 00	...	...	...	...	...	...	...	...	.....
"	*18	"	30	...	60	...	...	1	10 00	...	...	...	...	...	...	...	...	.....
"	29	"	51	...	60	...	...	...	...	...	...	...	...	...	...	...	...	.....
"	23	"	52	...	60	...	...	...	6 00	...	...	...	2 50	...	...	...	...	.....
"	23	"	52	...	60	...	...	...	7 00	...	...	...	5 00	...	2 00	1 00	...	.....
"	23	"	52	...	60	...	...	4	...	...	...	...	...	...	...	...	...	.....
"	24	"	48	...	60	...	...	...	7 00	...	...	...	...	...	...	...	...	.....
"	25	"	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...	...	.....
"	23	"	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...	...	.....
"	21	"	52	...	60	...	...	6	7 00	...	...	...	3 00	...	2 00	2 00	...	.....
"	26	"	46	...	60	...	...	...	7 00	...	...	...	3 00	...	2 00	2 00	...	.....
"	23	"	52	...	60	...	...	...	7 00	...	...	...	3 00	...	2 00	2 00	...	.....
"	24	"	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...	...	.....
"	17	"	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...	.....
"	18	"	52	...	60	...	...	...	5 00	...	...	...	3 00	...	1 50	50	...	.....
"	20	"	52	...	60	...	...	...	7 00	...	...	...	3 00	...	2 00	2 00	...	.....

TABLE III — WORKING WOMEN — AKRON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Rubber goods.....	American	24	52	.....	60	.....	.....	.....	\$7.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	28	52	.....	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	40	12	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	.....	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	51	.....	60	.....	1	.....	5.00	.....	2.50	1.50	1.00	.....	.....	.....	.....
"	"	*17	40	.....	60	.....	.....	.....	4.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	52	.....	60	.....	.....	.....	6.00	.....	2.00	1.50	2.50	.....	.....	.....	.....
"	"	21	52	.....	60	.....	.....	.....	7.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	5.00	.....	2.50	1.50	2.00	.....	.....	.....	.....
"	"	20	52	.....	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	48	.....	60	.....	.....	.....	5.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	48	.....	60	.....	4	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	27	52	.....	60	.....	.....	.....	7.00	.....	3.00	2.00	2.00	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	5.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	5.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	52	.....	60	.....	.....	.....	4.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	4.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	48	.....	60	.....	9	.....	5.00	.....	2.00	1.50	1.50	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	5.00	.....	3.00	1.50	50	.....	.....	.....	.....
"	"	19	40	12	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	42	.....	60	.....	.....	.....	5.00	.....	3.00	2.00	1.00	.....	.....	.....	.....
"	"	21	48	.....	60	.....	4	.....	5.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	40	12	60	.....	.....	.....	4.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	50	.....	60	.....	2	.....	6.00	.....	3.00	1.50	1.50	.....	.....	.....	.....
"	"	19	52	.....	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	German	24	52	.....	60	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	50	.....	60	.....	2	.....	7.00	.....	3.00	2.00	1.00	.....	.....	.....	.....
"	American	21	48	.....	60	.....	.....	.....	8.00	.....	4.00	2.00	1.00	.....	.....	.....	.....
"	"	21	40	.....	60	.....	12	.....	7.50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	.....	60	.....	.....	.....	7.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	.....	60	.....	.....	.....	7.00	.....	3.50	2.00	1.00	.....	.....	.....	.....
"	"	24	51	.....	60	.....	.....	.....	7.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	48	.....	60	.....	4	.....	6.00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	.....	60	.....	.....	.....	6.00	.....	3.00	2.00	1.00	.....	.....	.....	.....

[illegible]

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE III — WORKING WOMEN — AKRON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Telephone operators.....	American	24	52	62	62	1	.....	.....	\$3 00	.....	.....	\$4 00	.....	\$2 00	\$1 50	.....	+
"	"	26	51	62	62	.....	.....	1	7 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*22	26	62	62	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	49	62	62	3	.....	.....	6 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	22	52	62	62	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	62	62	.....	.....	.....	5 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	51	62	62	1	.....	.....	4 50	.....	.....	8 50	.....	1 50	50	.....	.....
"	"	22	50	62	62	2	.....	.....	6 25	.....	.....	8 25	.....	1 75	1 25	.....	.....
"	"	*16	19	62	62	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	21	52	62	62	.....	.....	.....	5 00	.....	.....	2 00	.....	1 50	1 00	.....	.....
"	"	19	51	62	62	1	.....	.....	6 25	.....	.....	2 00	.....	2 00	1 00	.....	.....
"	"	24	52	62	62	.....	.....	.....	4 25	.....	.....	2 00	.....	1 50	1 00	.....	.....
"	"	18	52	62	62	.....	.....	.....	4 50	.....	.....	2 00	.....	1 50	2 00	.....	.....
"	"	20	44	62	62	8	.....	.....	5 50	.....	.....	2 00	.....	1 50	1 00	.....	.....
"	"	20	44	62	62	.....	.....	.....	5 50	.....	.....	2 00	.....	1 50	2 00	.....	.....
"	"	17	51	62	62	1	.....	.....	5 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*18	3	62	62	.....	.....	.....	2 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	51	62	62	1	.....	.....	6 25	.....	.....	3 25	.....	1 50	1 50	.....	.....
"	"	22	48	62	62	4	.....	.....	5 50	.....	.....	2 50	.....	1 50	1 50	.....	.....
"	"	18	52	62	62	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	28	52	62	62	.....	.....	.....	10 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	12	40	62	.....	.....	.....	4 25	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	62	62	.....	.....	.....	6 00	.....	.....	3 00	.....	2 00	1 00	.....	.....
"	"	*18	40	62	62	.....	.....	.....	5 00	.....	.....	2 00	.....	2 00	1 00	.....	.....
"	"	16	50	62	62	2	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	62	62	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	51	62	62	1	.....	.....	4 50	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	20	52	62	62	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	62	62	.....	.....	.....	4 25	.....	.....	2 25	.....	1 00	1 00	.....	.....
"	"	20	52	62	62	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	62	62	.....	.....	.....	5 01	.....	.....	.....	.....	.....	.....	.....	.....
"	"	22	52	62	62	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	51	62	62	1	.....	.....	6 50	.....	.....	3 00	.....	1 50	2 00	.....	.....
"	"	28	52	62	62	.....	.....	.....	7 50	.....	.....	3 50	.....	2 00	1 50	.....	50

[illegible]

* Began work during year covered by investigation.

† Gave earnings to parents.

BARBERTON.

MATCHES.

Nearly 200 women are employed in the match factory. The firm is considered a just one to work for. In the basement is a dining room in charge of women attendants. Hot coffee, milk and sugar, and in winter soup, are served free. The dining room is a popular and highly appreciated departure from the ordinary factory, and it is to be regretted that there are not more such humane establishments.

The manufacturers say that, owing to a new process of making a non-poisonous composition, there is practically no danger of phosphorous poisoning resulting from work in the match factory. All employes, likely to be affected, are compelled to have their teeth examined once a month by a dentist employed by the company.

The piece work system prevails largely, and wages are fair.

RUBBER GOODS.

In the busy season, the rubber factory gives employment to from 60 to 70 women. The piece work system prevails, and expert workers make from \$1 to \$1.25 a day. Fair sanitary conditions.

TABLE III — WORKING WOMEN — BARBERTON.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.					Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessaries.			
Matches	144	22	41.4	4.7	60	1.1	.....	.3	\$5 50	.....	.....	\$2 84	\$0 02	\$1 74	\$1 36	12	\$0 11
Rubber goods	18	23	45	4.7	60	.3	.....	.4	5 11	.....	.....	2 70	.....	1 64	1 21	2	.....
Totals and averages.....	162	22	41.8	4.7	60	1	.....	.3	\$5 46	.....	.....	\$2 82	\$0 02	\$1 73	\$1 34	14	\$0 10

TABLE IV — BARBERTON.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

Matches	19	49	60	2	3	4 00	2 00	1 50	50	12	\$0 11
..	16	50	60	...	...	5 00	...	...	...	...	...
"	*15	40	60	...	...	4 00	...	...	...	...	...
"	26	52	60	...	...	6 00	3 25	1 75	1 00	...	...
"	16	52	60	...	...	4 00	...	...	...	...	...
"	*16	20	60	...	...	4 00	...	...	...	...	...
"	*15	40	60	...	...	3 50	...	...	...	...	...
"	19	52	60	...	...	5 00	2 50	1 50	1 00	...	...
"	19	50	60	2	...	5 00	...	...	...	...	...
"	16	52	60	...	...	4 00	...	...	...	...	...
"	17	52	60	...	...	4 50	...	...	...	...	...
"	26	51	60	1	...	5 44	2 50	2 00	1 10	...	...
"	18	52	60	...	...	5 44	2 44	1 50	1 50	...	...
"	20	51	60	...	...	5 00	...	...	...	...	...
"	19	20	60	1	...	5 00	...	...	...	...	...
"	*19	27	60	...	...	6 00	3 00	1 75	1 25	...	...
"	17	40	60	...	...	5 00	...	...	...	...	...
"	17	52	60	...	...	5 00	3 00	1 50	50	...	...
"	19	52	60	...	...	4 00	...	...	...	...	...
"	16	52	60	...	...	4 00	...	...	...	...	...
"	*15	30	60	...	...	4 00	...	...	...	...	...
Totals and averages..	22	41.4	60	1.1	.3	\$5 50	\$2 84	\$1 74	\$1 36	12	\$0 11

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVb — WORKING WOMEN — BARBERTON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Rubber goods.....	American	18	52	.....	60	.....	.....	.....	\$5 00	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	17	51	.....	60	1	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	22	52	.....	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
"	"	*33	36	.....	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
"	"	40	50	.....	60	2	.....	.....	4 50	.....	.....	2 00	.....	.....	.....	.....
"	"	25	32	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	27	52	.....	60	.....	.....	.....	5 00	.....	.....	3 00	.....	.....	.....	.....
"	"	24	50	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	21	49	.....	60	.....	.....	.....	5 40	.....	.....	2 40	.....	.....	.....	.....
"	"	19	50	.....	60	2	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....
"	"	21	51	.....	60	1	.....	.....	6 00	.....	.....	3 00	.....	.....	.....	.....
"	"	26	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	27	49	.....	60	.....	.....	.....	6 00	.....	.....	2 50	.....	.....	.....	.....
Totals and averages..	.....	23	45	4.7	60	.3	.....	.4	\$5 11	.....	.....	\$2 70	.....	\$1 64	\$1 21	2

* Began work during year covered by investigation.

† Gave earnings to parents.

CANTON.

CLERKS.

In several of the stores, the conditions are most unsanitary, owing to the lack of proper ventilation. Young women and girls work long hours in musty basements, — a menace to health. One of the great impositions clerks have to bear is the long hours of work during the holiday season, for which no extra pay is given.

Not any of the stores have any rest or lunch rooms for employees.

LANTERNS.

In an establishment making lanterns and oil cans, girls are employed in soldering. The piece work and hour system prevail, — workers by the hour receiving 5 cents and 6 cents respectively. Expert solderers make \$8 per week; beginners make about \$3 per week. Stools are provided, and the girls usually sit down while working. Sanitary conditions fair.

LAUNDRIES.

Fair sanitary conditions prevail in the laundries visited. Work is paid for by the day. Beginners receive \$3 a week. Wages vary according to the skill of the worker. Skilled workers receive on an average of \$5 a week, working ten hours a day.

RUBBER GOODS.

Owing to the fact that it was during the dull season in October, when the rubber works were visited, only about 15 girls were regularly employed. Work is paid for by the piece, and low prices prevail. A girl has to be an expert to make \$6 a week. Beginners are paid \$3 a week. Sanitary conditions fair.

SADDLERY.

Girls do a variety of work in the saddlery establishments. The piece work system prevails, and wages are meager. In the departments devoted to making riding boots, girls are employed in cutting the leather. One girl frequently operates a punching machine by hand with a punch and heavy mallet, which is really a man's work, as it is too heavy for a girl. Sanitary conditions fair.

TELEPHONE OPERATORS.

Good sanitary conditions prevail in the telephone exchanges. The rest rooms are provided with couches. A recess of ten minutes is given twice a day. Sunday work is paid for. Beginners receive \$12 a month working six hours a day.

WATCHES AND CASES.

The manufacture of watches gives steady employment to several hundred young women. Factories are sanitary, and the work is necessarily light and clean.

The piece work system prevails in the watch works factory. Experts make from \$8 to \$9 per week. Work is paid for by the day in the case factory, — beginners receiving \$3 per week. Wages are low in this department, possibly for the reason that there is not a great deal of skill required to perform the duties girls are assigned, as the fine work is done by the men.

Male and female employes have a society, maintained by a weekly sum from their wages, which pays a sick benefit and funeral expenses.

TABLE V — WORKING WOMEN — CANTON.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.		Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.					Average living expenses per week.				Total No. of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.						
Clerks	126	21	47.9	.6	60	.3	.....	.2	\$4 93	.....	.....	\$3 07	\$0 05	\$1 76	\$1 46	11	.....		
Lanterns	126	24	44.3	2	54	.3	.....	.....	5 23	.....	.....	2 49	.....	1 33	1 33	.....	.....	
Laundries	54	20	43.8	3.3	60	.1	.....	.....	4 49	.....	.....	2 37	18	1 39	94	3	\$0 01
Rubber goods	18	20	35	2.1	60	.5	.....	.....	4 44	.....	.....	2 12	.....	1 55	1 23	1	.....		
Saddlery	54	21	43.8	2	60	.6	.....	.5	4 82	.....	.....	2 40	.....	1 57	1 24	2	12
Telephone operators	54	19	40	.....	52.1	.5	.....	.1	4 13	.....	.....	2 05	.....	1 55	96	.....	.....	
Watches and cases.....	216	21	42.8	2.8	60	.2	.....	.1	4 97	.....	.....	2 73	02	1 67	1 37	8	06
Totals and averages.....	540	21	43.7	1.9	59	.3	.....	.1	\$4 80	.....	.....	\$2 65	\$0 04	\$1 60	\$1 29	25	\$0 04

TABLE VI—CANTON.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE VIIb — WORKING WOMEN — CANTON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Lanterns	American	*16	40	54	...	...	...	\$3 24	...	...	\$2 00	...	\$1 00	\$0 24	...
"	"	26	52	54	...	...	...	4 80	...	...	3 00	...	1 00	1 80	...
"	"	21	52	54	...	...	...	5 00	...	...	2 00	...	1 50	1 50	...
"	"	32	52	54	...	...	...	6 00	...	...	2 50	...	2 00	2 00	...
"	"	21	51	54	...	...	...	8 00	...	...	3 50	...	2 00	2 50	...
"	"	19	48	54	...	...	...	8 00	...	...	3 00	...	2 00	2 50	...
"	"	25	52	54	...	...	...	8 00	...	...	3 00	...	2 00	3 00	...
"	"	21	52	54	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	17	42	54	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	19	52	54	...	...	...	3 60	...	...	1 60	...	1 00	1 00	...
"	"	23	52	54	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	21	52	54	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	22	52	54	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	*24	8	54	...	...	...	3 24	...	...	1 24	...	1 00	1 00	...
"	"	32	26	54	...	...	...	3 24	...	...	2 24	...	1 00	1 00	...
"	"	21	12	54	...	...	...	3 24	...	...	1 24	...	1 00	1 00	...
"	"	28	51	54	...	...	...	3 24	...	...	2 00	...	1 00	24	...
"	"	38	52	54	...	...	...	4 50	...	...	2 50	...	1 00	1 00	...
Totals and averages.	.....	24	44.3	2	54	.3	.....	\$5 23	.....	.....	\$2 49	.....	\$1 33	\$1 38	.....

* Began work during year covered by investigation.

TABLE VIc — WORKING WOMEN — CANTON.

Occupation.		Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.			Other neces- saries.
Laundries	..	American	52	..	60	..	..	..	\$4 00	..	\$3 00	..	..	..	..	..
"	..	"	21	26	60	..	..	..	5 00	..	..	..	..	..	..	..
"	..	"	21	32	60	..	..	..	5 00	..	..	..	..	..	..	..
"	..	"	21	26	60	26	..	..	3 50	..	..	..	..	..	..	..
"	..	"	16	32	60	..	..	..	3 50	..	..	..	..	..	..	..
"	..	"	16	32	60	..	..	..	3 50	..	..	..	..	..	..	..
"	..	"	21	52	60	..	..	..	5 00	..	2 50	..	1 50	1 00	..	..
"	..	"	18	12	60	..	..	..	5 00	..	2 00	..	1 50	1 00	..	..
"	..	"	24	20	60	40	..	..	5 00	..	3 00	..	1 50	1 50	..	..
"	..	"	25	42	60	10	..	..	0 00	..	3 00	..	2 00	1 00	..	..
"	..	"	27	52	60	..	..	..	0 00	..	3 00	..	2 00	1 00	..	..
"	..	"	21	52	60	..	..	..	0 00	..	2 00	..	1 50	1 50	1	..
"	..	"	20	51	60	..	..	..	0 00	..	..	..	..	..	..	..
"	..	"	17	52	60	..	..	..	0 00	..	..	..	..	..	..	..
"	..	"	16	40	60	..	..	..	0 00	..	..	..	..	..	..	..
"	..	"	20	52	60	..	..	..	0 00	..	..	..	..	..	..	..
"	..	"	21	51	60	..	..	..	4 00	..	3 00	..	1 50	50	..	..
"	..	"	17	52	60	..	..	..	4 00	..	..	..	..	..	..	..
"	..	"	20	12	60	..	..	..	4 00	..	..	..	..	..	..	..
"	..	"	18	52	60	..	..	..	4 00	..	1 00	25	1 00	..	..	..
"	..	"	22	51	60	..	..	..	4 00	..	2 00	1 00	1 00	..	..	..
"	..	"	22	12	60	40	..	..	4 00	..	..	..	..	..	..	..
"	..	"	16	40	60	..	..	..	4 00	..	..	..	..	..	..	..
"	..	"	17	96	60	36	..	..	4 00	..	..	..	..	..	..	..
"	..	"	17	96	60	..	..	..	4 00	..	2 00	..	1 50	1 50	..	..
"	..	"	33	52	60	..	..	..	5 00	..	2 00	..	1 50	1 50	..	..
"	..	"	24	52	60	..	..	..	5 00	..	2 50	..	1 50	50	..	..
"	..	"	18	52	60	..	..	..	4 50	..	3 50	..	2 00	2 00	..	..
"	..	"	17	96	60	..	..	..	3 50	..	3 00	..	2 00	2 00	..	..
"	..	"	36	52	60	..	..	..	7 00	..	..	..	..	..	..	..
"	..	"	20	52	60	..	..	..	5 00	..	..	..	..	..	..	..
"	..	"	20	52	60	..	..	..	5 00	..	..	..	..	..	..	..
"	..	"	19	52	60	..	..	..	4 50	..	3 00	..	1 50	50	..	..
"	..	"	21	52	60	..	..	..	4 00	..	..	..	..	..	..	..
"	..	"	19	52	60	..	..	..	4 00	..	..	..	..	..	..	..

TABLE VIc.—WORKING WOMEN—CANTON—Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Laundries	American	23	52	60				\$5 00			\$2 00		\$1 50	\$1 50	1	.....
"	"	26	52	60				5 00			2 25		1 75	1 00	.....	.....
"	"	24	52	60				6 00			3 00		2 00	1 00	.....	.....
"	"	27	52	60				6 00							2	.....
"	"	19	50	60	2			5 00			2 50		1 00	1 00	.....	.....
"	"	20	48	60	4			4 50							.....	.....
"	"	21	50	60		2		3 50			2 00		1 00	00	.....	.....
"	"	19	51	60		1		4 00							.....	.....
"	"	18	52	60				4 00							.....	.....
"	"	*16	40	60				3 50							.....	.....
"	"	*15	50	60				3 50							.....	.....
"	"	*15	40	60				3 50							.....	.....
"	"	*17	48	60				3 50							.....	.....
"	"	*16	50	60				3 50							.....	.....
"	"	18	51	60	1			3 50			1 50		1 00	1 00	.....	.....
"	"	19	52	60				4 50			2 50		1 00	1 00	.....	.....
"	"	22	52	60				4 00			2 00		1 50	50	.....	.....
"	"	21	52	60				5 00			2 50		1 50	50	.....	\$0 50
"	"	20	52	60				5 00			2 00		1 00	2 00	.....	.....
Totals and averages..	.....	20	43.8	3.3	60	.1	.....	\$4 49	.....	.....	\$2 37	\$0 18	\$1 39	\$0 94	3	\$0 01

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VI^d — WORKING WOMEN — CANTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Rubber goods.....	American	*22	8	...	60	...	...	...	\$3 00	...	...	\$1 50	...	\$1 00	\$0 50	...	...
"	"	17	50	...	60	2	...	...	3 60	...	...	...	...	...	...	...	...
"	"	17	51	...	60	1	...	...	4 80	...	...	...	...	...	...	...	...
"	"	*17	12	...	60	...	...	...	2 75	...	...	...	...	...	...	...	...
"	"	18	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	*20	4	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*20	4	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*16	96	...	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	24	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	*20	12	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	*21	6	...	60	...	...	...	4 80	...	...	...	...	...	...	...	...
"	"	25	52	...	60	...	...	...	6 50	...	...	...	...	...	...	...	...
"	"	23	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	*18	36	...	60	...	...	...	4 50	...	...	...	...	...	...	...	...
"	"	17	52	...	60	...	...	...	3 60	...	...	...	...	...	...	...	...
"	"	40	12	...	60	...	...	...	3 60	...	...	...	...	...	...	...	...
"	"	20	26	26	60	2	...	...	3 60	...	...	2 50	...	...	...	...	...
"	"	21	50	60	60	2	...	...	4 80	...	...	2 50	...	...	...	...	...
"	"	20	48	60	60	4	...	...	4 80	...	...	...	...	...	...	...	...
Totals and averages..	.....	20	35	2.1	60	.5	...	...	\$4 44	...	...	\$2 12	...	\$1 55	\$1 23	1	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

Saddlery	American	24	52	60		\$6 00		\$3 00	\$1 50	\$1 00	\$0 50
"	"	20	52	60		4 50		1 00	1 00	2 00	
"	"	30	46	60		4 00	6	2 00	1 50	1 00	
"	"	24	52	60		4 00					
"	"	23	50	60		4 00	2				
"	"	21	51	60	1	5 00					
"	"	22	52	60		5 00		2 00	2 00	1 00	
"	"	*16	40	60		3 65					
"	"	*16	40	60		3 00					
"	"	17	52	60		3 50					
"	"	18	61	60		4 00					
"	"	24	52	60		5 00	1	3 00	1 00	1 00	
"	"	21	50	60		4 00	2	2 00	1 00	1 00	
"	"	24	50	60	2	4 50					
"	"	21	48	60	4	4 50					
"	"	24	40	60		4 00					
"	"	12		60		3 00					
"	"	*16	40	60		3 00					
"	"	*16	40	60		4 00					
"	"	17	52	60		4 00					
Totals and averages..	21	43.8	2	60	\$4 82	.5	\$2 40	\$1 57	\$1 24	\$0 12

* Began work during year covered by investigation.

† Gave earnings to parents.

Watches and cases.....	American	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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TABLE VIg — WORKING WOMEN — CANTON — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.	
Watches and cases.....	Swiss.....	*40	10	...	60	...	...	...	\$5 00	...	...	\$3 00	...	\$1 50	\$0 50	...
"	"	*17	26	...	60	...	...	...	4 00	...	...	...	...	...	...	...
"	American	*17	16	...	60	...	...	...	3 00	...	...	...	...	...	...	...
"	"	*20	40	...	60	...	...	...	3 00	...	...	...	...	...	...	...
"	"	*15	20	...	60	...	...	...	3 50	...	...	...	...	...	...	...
"	"	25	8	44	60	...	...	...	4 00	...	...	...	...	...	...	...
"	German	16	62	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	American	16	62	...	60	...	...	...	3 60	...	...	...	...	...	...	...
"	"	*15	12	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	21	52	...	60	...	...	...	4 00	...	...	...	...	...	...	...
"	"	*17	26	...	60	...	...	...	4 00	...	...	2 00	...	1 50	1 00	...
"	German	28	52	...	60	...	...	...	6 00	...	...	2 50	...	2 00	1 50	...
"	American	42	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	19	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	17	48	...	60	...	...	...	3 00	...	...	...	...	...	...	...
"	"	17	26	26	60	...	...	...	3 50	...	...	2 50	...	1 50	50	...
"	"	18	52	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	*15	20	...	60	...	...	...	3 50	...	...	...	...	...	...	...
"	"	18	52	...	60	...	...	...	4 50	...	...	1 00	...	2 00	1 50	...
"	"	20	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	28	52	...	60	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	26	50	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	German	24	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	American	20	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	27	51	...	60	1	...	...	4 50	...	...	2 00	...	1 50	1 00	1
"	"	24	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	21	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	27	51	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	27	52	...	60	...	...	...	7 00	...	...	3 50	...	1 50	1 50	1
"	"	24	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	17	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	16	52	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	17	50	...	60	2	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	24	52	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	27	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	20	60	...	60	...	...	...	5 00	...	...	...	...	...	...	...

[illegible]

COSHOCTON.

ADVERTISING NOVELTIES.

Several hundred young women are given steady employment in the establishments manufacturing advertising novelties. Day wages as well as piece work prices prevail in all places visited. The leather goods workers make fair wages, as the work requires skill, but the other departments do not pay more than an average of 50 cents and 75 cents a day. In all places inspected, sanitary conditions are fair.

TABLE VII — WORKING WOMEN — COSHOCTON.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Advertising novelties	198	21	42.3	4	54	.2	.....	.1	\$3 93	.....	.....	\$1 91	\$0 03	\$1 33	\$0 87	.....	.....

TABLE VIII—COSHOCOTON.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE VIII — WORKING WOMEN — COSHOCTON.

Occupation.	Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.	
Advertising novelties...	American	52	52	54	54	54	54	\$ 0			\$ 1 50		\$ 1 50	\$ 1 00	.....
"	"	25	24	54	54	54	54	4 00			1 50		1 50	50	.....
"	"	21	4	54	54	54	54	3 00			1 50		1 00	1 00	.....
"	"	*16	2	54	54	54	54	4 00			2 00		1 00	1 00	.....
"	"	18	52	54	54	54	54	4 00			1 50		1 50	1 00	.....
"	"	21	52	54	54	54	54	4 00			1 50		1 50	1 00	.....
"	"	22	52	54	54	54	54	4 00			2 00		75	25	.....
"	"	17	52	54	54	54	54	4 00			2 00		1 50	1 00	.....
"	"	23	52	54	54	54	54	4 00			2 75		2 50	75	.....
"	"	21	52	54	54	54	54	3 00			1 00		2 00	1 00	.....
"	"	20	8	54	54	54	54	4 50			2 50		1 50	1 00	.....
"	"	18	42	54	54	54	54	4 00			2 00		1 00	1 00	.....
"	"	*17	40	54	54	54	54	3 50			1 50		1 00	1 00	.....
"	"	23	52	54	54	54	54	3 50			2 50		1 50	1 00	.....
"	"	18	52	54	54	54	54	5 00			2 50		1 00	1 00	.....
"	"	*19	26	54	54	54	54	5 00			2 50		1 00	1 00	.....
"	"	26	52	54	54	54	54	5 00			2 50		1 00	1 00	.....
"	"	21	50	54	54	54	54	5 00			2 50		1 00	1 00	.....
"	"	23	52	54	54	54	54	5 00			2 50		1 00	1 00	.....
"	"	19	52	54	54	54	54	5 00			1 50		2 00	1 50	.....
"	"	30	52	54	54	54	54	5 00			1 50		1 50	2 00	.....
"	"	18	52	54	54	54	54	5 00			1 50		1 75	1 50	.....
"	"	25	52	54	54	54	54	5 00			2 00	25	1 00	1 00	.....
"	"	30	52	54	54	54	54	5 00			2 50	50	1 00	1 00	.....
"	"	30	52	54	54	54	54	5 00			2 50		1 50	1 00	.....
"	"	27	52	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	26	52	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	2	50	54	54	54	54	5 00			3 00		1 00	1 00	.....
"	"	17	52	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	30	52	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	*17	6	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	2	52	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	25	52	54	54	54	54	5 00			3 00		2 00	1 00	.....
"	"	22	52	54	54	54	54	5 00			3 00		2 00	1 00	.....

[illegible]

TABLE VIII — WORKING WOMEN — COSHOCTON — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.					Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Advertising novelties....	American	20	32	54	54	54	54	54	4 00	.....	.....	2 00	.....	\$1 00	.....	.....	.....
"	"	24	32	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 00	.....	.....	.....
"	"	*17	26	54	54	54	54	54	4 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
"	"	*23	28	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	25	52	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	17	52	54	54	54	54	54	4 00	.....	.....	1 50	.....	1 00	1 00	.....	.....
"	"	16	26	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	*18	6	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	22	52	54	54	54	54	54	4 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
"	"	22	52	54	54	54	54	54	4 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
"	"	17	32	20	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	19	16	36	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	*17	52	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	*16	12	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	24	52	54	54	54	54	54	3 00	.....	.....	3 50	.....	1 50	1 00	.....	.....
"	"	39	52	54	54	54	54	54	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	54	54	54	54	54	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	28	54	54	54	54	54	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	3	49	54	54	54	54	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	26	52	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	22	52	54	54	54	54	54	4 00	.....	.....	1 75	.....	1 50	75	.....	.....
"	"	*16	8	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
"	"	22	52	54	54	54	54	54	4 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
"	"	*19	28	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
"	"	18	52	54	54	54	54	54	4 50	.....	.....	1 50	.....	1 50	1 50	.....	.....
"	"	*16	16	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	*16	4	8	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	19	52	54	54	54	54	54	3 50	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	21	50	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	22	49	54	54	54	54	54	3 00	.....	.....	1 75	.....	1 00	50	.....	.....
"	"	21	50	54	54	54	54	54	3 00	.....	.....	1 50	.....	1 00	50	.....	.....
"	"	24	51	54	54	54	54	54	3 50	.....	.....	1 50	.....	1 50	50	.....	.....
"	"	26	51	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 50	1 00	.....	.....
"	"	21	50	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 50	1 00	.....	.....
"	"	20	52	54	54	54	54	54	4 00	.....	.....	2 00	.....	1 50	1 00	.....	.....

[illegible]

TABLE VIII — WORKING WOMEN — COSHOCTON — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.			
Advertising novelties....	American	50	...	54	2	...	...	\$3 50	...	...	\$1 50	...	\$1 00	\$1 00	...	...
"	"	17	49	54	...	...	...	3 00	...	...	1 50	...	1 00	50	...	...
"	"	18	52	54	...	...	...	3 50	...	...	1 50	...	1 00	50	...	...
"	"	17	51	54	1	...	...	3 50	...	...	1 50	...	1 00	1 00	...	...
"	"	21	30	54	...	...	...	4 00	...	...	2 25	...	1 00	75	...	...
"	"	20	32	54	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	19	32	54	...	...	...	4 00	...	...	2 00	...	1 50	50	...	...
"	"	27	30	54	...	...	...	4 00	...	...	2 00	...	1 50	50	...	...
"	"	28	49	54	...	...	...	4 00	...	...	2 50	...	1 00	1 00	...	...
"	"	16	50	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	16	50	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	15	30	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	21	52	54	...	...	...	4 00	...	...	2 90	...	1 50	50	...	...
"	"	19	52	54	...	...	...	4 00	...	...	2 25	...	1 00	75	...	...
"	"	25	52	54	...	...	...	4 00	...	...	3 00	...	1 50	50	...	...
"	"	24	50	54	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	25	50	54	2	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	21	51	54	1	...	...	4 00	...	...	2 90	...	1 50	1 00	...	...
"	"	26	50	54	...	...	2	4 00	...	...	2 90	...	1 00	1 00	...	...
"	"	27	51	54	...	...	1	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	20	49	54	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	30	50	54	...	...	2	4 00	...	...	1 75	...	1 25	1 00	...	...
Totals and averages..	.....	21	42.3	4	.2	...	.1	\$3 93	...	...	\$1 91	\$0 03	\$1 33	\$0 87	...	...

* Began work during year covered by investigation

† Gave earnings to parents.

EAST LIVERPOOL.

POTTERIES.

In the potteries which have been built in recent years, sanitary conditions are fair, but in the older potteries the sanitary conditions are very poor. In several places, there are not separate toilet rooms for the sexes, and many complaints were heard on this and other impositions women workers are compelled to put up with. In two of the potteries inspected, the toilet for the women is situated across an alley, which, as frequently happens, must be reached through mud ankle deep. In potteries having only one toilet for a couple of hundred women, it frequently happens that the plumbing is out of order, and the toilet is closed. This state of affairs has been said to exist for weeks at a time. A manufacturer, who has an ideal pottery so far as good sanitary conditions are concerned, complained to the special agent of the gross carelessness of the women and girls, as well as their lack of appreciation of his efforts to provide suitable toilet accommodations. "They persist," he said, "in throwing refuse into the closets which clogs the pipes, and if the toilet rooms are not in good condition all of the time, it is the fault of those who frequent them." The foregoing facts are cited as an illustration that the best of sanitary conditions are not always appreciated.

Those who have learned the trade in the various branches of pottery work requiring skilled labor earn the best wages. Decorators, gilders, transferers, finishers in the clay shops, and workers in the decalcomania departments are paid so much a piece for each article. A uniform piece work rate is paid in all of the union potteries. Work is not always as steady in the skilled labor departments as it is in the bisque rooms and glost warehouses, where workers are paid by the day, — 87½ cents and \$1 respectively.

It was not unusual to find married women at work in the potteries, and mothers and daughters frequently worked side by side. It was not noticeable that many girls under age were employed, but there were many boys seemingly under legal age. One little fellow did not look more than eight. When told he should go to school, as he would be sorry when he grew up, that he did not have a better education, he replied, "My mother sends me to work, and I'll just have to be sorry, that's all."

TABLE IX — WORKING WOMEN — EAST LIVERPOOL.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.		Average weekly savings.	
	Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.				
Potteries	43.5	.3	54.1	.5	.....	.8	\$7 03	.....	\$0 02	\$3 40	.....	\$1 82	\$1 21	83		\$0 62	

TABLE X—EAST LIVERPOOL.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

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TABLE X — WORKING WOMEN — EAST LIVERPOOL.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Potteries	American	*17	26	54				\$7.50			\$8.00		\$2.00	\$1.50	.....	\$1.00
"	"	10	52	54				7.50			5.00		1.50	1.00	.....
"	"	*16	32	54				3.50							.....
"	"	15	52	54				8.75							.....
"	"	17	48	54	4			7.50							.....
"	"	25	52	54				10.00			5.00		2.00	2.00	.....	1.00
"	"	19	52	54				10.00			8.00		2.00	2.00	.....	3.00
"	"	23	52	54				10.00			8.00				.....	2.00
"	"	19	52	54				10.00							.....
"	"	16	52	54				10.00			8.00		3.00	2.00	.....
"	"	22	52	54				10.00							.....
"	"	28	52	54				6.00							.....
"	"	*21	48	54	4			10.00							.....
"	"	*18	26	54				4.50							.....
"	"	16	52	54				9.00							.....
"	"	18	48	54			4	4.50							.....
"	"	20	51	54	1			9.00			3.00		2.00	1.50	.....	5.00
"	"	17	52	54				6.50			7.00		3.00	3.00	.....
"	"	20	52	54				18.00							.....
"	"	54	54	54				4.50							.....
"	"	18	5	54				8.00							.....
"	"	*19	4	54				7.50			4.00		2.00	1.50	.....
"	"	17	52	54				8.00							.....
"	"	*17	26	54				7.50							.....
"	"	*26	26	54				9.00			3.00		3.00	2.00	.....	1.00
"	"	*19	28	54				7.00			2.50		2.00	2.00	.....
"	"	22	52	54				6.50							.....
"	"	16	52	54				7.00							.....
"	"	17	52	54				7.00			8.00		2.50	1.50	.....	2.00
"	"	*19	20	54				6.00							.....
"	"	*20	16	54				6.50							.....
"	"	*17	8	54				6.50							.....
"	"	*35	26	54				7.00							.....
"	"	35	52	54				6.00							.....
"	"	28	52	54				6.00							.....
"	"	26	50	54	2			6.00							.....

[illegible]

TABLE X — WORKING WOMEN — EAST LIVERPOOL — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Potteries	American	*16	28	...	54	...	...	...	\$8.75	...	...	...	...	...	...	...	...
"	"	16	26	...	54	...	...	...	6.00	...	...	...	...	...	...	...	...
"	"	*12	12	...	54	...	...	...	8.50	...	...	...	...	...	...	...	...
"	"	*14	40	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	20	52	...	54	...	...	...	12.00	...	...	...	...	...	...	...	...
"	"	16	52	...	54	...	...	...	10.00	...	...	...	...	...	...	...	...
"	"	15	51	...	54	1	...	...	6.00	...	...	3.00	...	2.00	2.00	...	...
"	"	19	52	...	54	...	...	...	10.00	...	...	...	...	...	...	1	...
"	"	18	52	...	54	...	...	...	8.00	...	...	3.00	...	1.50	1.00	...	...
"	"	*18	8	...	54	...	...	...	7.50	...	...	...	...	...	...	...	...
"	"	*16	12	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*17	8	...	54	...	...	...	8.00	...	...	...	...	...	...	...	...
"	"	20	40	...	54	...	...	...	8.00	...	...	...	...	...	...	...	...
"	"	21	50	12	54	2	...	...	9.00	...	...	...	...	...	...	...	...
"	"	26	48	...	54	...	...	...	7.50	...	...	3.00	...	2.00	1.00	...	...
"	"	24	51	...	54	...	...	...	8.00	...	...	...	...	...	...	...	...
"	"	25	43	...	54	...	...	...	8.00	...	...	3.00	...	2.00	1.00	...	...
"	"	21	50	...	54	9	...	...	10.00	...	...	4.00	...	2.00	1.00	...	...
"	"	19	51	...	54	2	...	...	10.00	...	...	5.00	...	2.00	1.00	...	...
"	"	21	52	...	54	1	...	...	10.00	1.00	...	5.00	...	3.00	1.00	...	...
"	"	24	50	...	54	2	...	...	10.00	...	...	4.00	...	1.00	1.50	...	...
"	"	*16	40	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*16	40	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*15	50	...	54	2	...	...	4.50	...	...	...	...	...	...	...	...
"	"	*14	40	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*12	20	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*15	40	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*12	20	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	*12	20	...	54	...	...	...	3.50	...	...	...	...	...	...	...	...
"	"	25	50	...	54	2	...	...	8.00	...	...	4.00	...	2.00	1.00	...	...
"	"	24	51	...	54	1	...	...	8.00	...	...	4.50	...	1.50	1.00	...	...
"	"	26	52	...	54	...	...	...	8.00	...	...	4.50	...	1.50	1.00	...	...
"	"	29	51	...	54	1	...	...	8.50	...	...	...	...	...	...	...	...
"	"	34	52	...	54	...	...	...	6.00	...	...	...	...	...	...	2	...
"	"	36	48	...	54	4	...	...	6.50	...	...	...	...	...	...	1	...

[illegible]

TABLE X — WORKING WOMEN — EAST LIVERPOOL — Continued.

Occupation.	Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.	
Potteries	American	51	54	54	1			\$6 00			\$2 50		\$1 00	\$1 50	\$1 00
"	"	21	54	54				6 00							
"	"	22	50	54			2	6 00							
"	"	19	52	54				6 00							1
"	"	24	50	54				6 00							
"	"	26	52	54	2			6 00			2 75		1 25	1 00	1 00
"	"	29	52	54				6 00							
"	"	50	52	54				9 00							
"	English	14	52	54				9 00							
"	American	16	52	54				9 00			3 00		1 50	1 50	
"	"	*14	6	54				3 00							
"	"	*14	4	54				3 00							
"	"	26	52	54				12 00			5 00		2 00	1 00	4 00
"	"	*18	26	54				7 50			2 50		2 00	2 00	1 00
"	"	16	52	54				6 00			3 00		1 50	1 00	50
"	"	23	52	54				9 00							
"	Scotch	*13	12	54				3 00							
"	American	*10	4	54				3 00							
"	"	*17	8	54				3 00							
"	"	*16	22	54				3 00							
"	"	16	52	54				3 00							
"	"	*15	6	54				3 00							
"	"	19	52	54				8 00			4 00		2 00	1 00	1 00
"	"	19	52	54				8 00							
"	"	*13	26	54				3 00							
"	"	*17	26	54				4 50							
"	"	16	52	54				6 00							
"	"	18	52	54				6 00			2 50		1 50	50	1 50
"	"	21	50	54			2	4 50							
"	"	15	52	54				3 00							
"	"	*21	26	54				3 00							
"	"	26	52	54				10 50	15 00		2 50		2 00	1 50	4 50
"	"	28	51	54	1			10 50	15 00						1
"	"	26	50	54				10 50	15 00						2
"	"	27	52	54	2			10 50	15 00						
"	"	29	52	54				10 50	15 00		3 50		2 00	1 50	3 50
"	"	18	52	54				10 50	15 00						

[illegible]

TABLE X — WORKING WOMEN — EAST LIVERPOOL — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Potteries	American	52	..	54	1	..	..	\$9 00	..	..	\$2 00	..	\$1 00	\$1 00	2	\$2 00
"	"	51	..	54	..	..	..	9 00	..	..	4 00	..	2 50	1 50	1	50
"	"	52	..	54	..	..	..	8 00	..	..	3 00	..	2 50	1 00	..	2 00
"	"	50	..	54	2	..	1	8 50	..	..	4 00	..	2 00	1 00	..	1 00
"	"	51	..	54	..	..	..	8 00	..	..	3 50	..	1 50	1 00	..	2 00
"	"	52	..	54	..	..	..	8 00	..	..	5 00	..	2 00	50	..	50
"	"	51	..	54	1	..	..	9 00	..	..	3 00	..	2 00	2 00	..	2 00
"	"	16	..	54	..	..	..	6 00	..	..	2 50	..	2 50	50	..	2 00
"	"	52	..	54	..	..	..	6 00	..	..	2 50	..	2 00	50	..	1 00
"	"	51	..	54	..	..	..	10 00	..	..	..	..	2 00	1 00	..	4 00
"	"	51	..	54	..	..	..	5 50	..	..	..	..	..	..	..	..
"	"	18	..	54	..	..	..	6 00	..	..	..	..	..	..	..	..
"	"	26	..	54	..	..	..	8 00	..	..	2 50	..	2 00	1 50	..	1 00
"	"	14	..	54	..	..	..	7 00	..	..	3 00	..	2 00	1 00	..	1 00
"	"	52	..	54	..	..	..	7 00	..	..	..	..	..	..	..	..
"	"	51	..	54	..	..	..	6 00	..	..	..	..	..	..	..	..
"	"	15	..	54	..	..	..	16 00	..	..	..	..	..	..	..	..
"	"	21	..	54	..	..	2	14 00	..	..	4 00	..	2 00	2 00	2	6 00
"	"	29	..	54	..	..	..	18 00	..	..	6 00	..	3 00	2 00	..	8 00
"	"	30	..	54	..	..	..	18 00	..	..	..	..	4 00	2 00	..	6 00
"	"	51	..	54	1	..	..	18 00	..	..	..	..	..	..	2	..
"	"	31	..	54	..	..	4	17 50	..	..	..	..	..	..	..	..
"	"	48	..	54	..	..	..	16 00	..	..	..	..	..	..	..	..
"	"	52	..	54	..	..	..	16 00	..	..	..	..	..	..	1	..
"	"	27	..	54	..	..	..	5 25	..	..	3 00	..	1 25	50	..	50
"	"	36	..	54	..	..	..	5 25	..	..	3 00	..	1 25	50	..	50
"	"	52	..	54	..	..	..	5 25	..	..	3 00	..	1 25	50	..	50
"	"	52	..	54	..	..	..	5 25	..	..	2 00	..	1 25	1 50	..	50
"	"	23	..	54	..	..	..	5 25	..	..	..	..	..	..	..	..
"	"	20	..	54	..	..	..	5 25	..	..	..	..	..	..	..	..
"	"	30	..	54	..	..	..	5 25	..	..	4 00	..	2 00	1 00	..	1 10
"	"	52	..	54	..	..	..	5 25	..	..	3 00	..	1 25	1 00	..	..
"	"	18	..	54	..	..	..	5 25	..	..	..	..	1 00	1 00	..	..
"	"	16	..	54	..	..	..	5 25	..	..	3 00	..	1 25	1 25	..	..
"	"	17	..	54	..	..	..	5 25	..	..	..	..	..	..	..	..

[illegible]

SEBRING.

POTTERIES.

The potteries pay good wages to the skilled workers. About three-fourths of the women engaged in the Sebring potteries are members of the local union. All learning the trade are paid \$3 a week, — advancement depends upon their aptness for the work. When the trade has been learned, piece work is given, prices for which vary according to the grade of china and amount of decoration. Young women who are expert hand decorators make \$8 and \$10, average weekly wages.

Factories well lighted, but without sufficient toilet accommodations.

TABLE XI—WORKING WOMEN—SEBRING.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.		Average age.		Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.
	Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.						
Potteries	90	22	41.3	2.8	58	.5	\$6 02	\$2 96	\$1 88	\$1 26	5	\$0 16		

TABLE XII—SEBRING.

Giving Occupation, Nativity, Age, Number Weeks Employed. Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

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TABLE XII—WORKING WOMEN—SEBRING.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income of other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Potteries	American	27	40	12	58				\$7 00			\$3 00		\$1 50	\$1 50	.....	\$1 00
"	"	*29	40	58	58				7 00			2 00		1 00	3 00	.....	1 00
"	"	32	50	58	58	2			8 00			4 00		2 00	1 00	.....	1 00
"	"	40	51	58	58			1	9 00			5 00		3 00	1 00	.....
"	"	42	50	58	58	2			10 00							2	
"	"	38	44	8	58				7 00			3 00		3 00	1 00	.....
"	"	36	40	12	58				6 00			3 00		2 00	1 00	.....
"	"	27	51	58	58	1			7 00			3 00		2 00	1 00	.....
"	"	27	50	58	58	2			6 00			3 00		2 00	1 00	.....
"	"	19	52	58	58				6 00			3 00		2 00	1 00	.....
"	"	*17	22	58	58				7 00			3 00		2 00	1 00	1	
"	"	17	51	58	58	1			6 00			5 00		1 00	1 00	.....
"	"	16	52	58	58				7 00							.....
"	"	*15	40	58	58				4 00							.....
"	"	16	52	58	58				5 00							.....
"	"	16	28	58	58				4 50							.....
"	"	*18	20	58	58				4 50							.....
"	"	30	50	58	58	2			6 00			3 50		1 50	1 00	.....
"	"	25	52	58	58				7 50			2 50		2 00	1 00	.....	2 00
"	"	*16	12	58	58				4 50							.....
"	"	16	52	58	58				7 50							.....
"	"	18	52	58	58				7 50			2 50		2 50	1 00	.....
"	"	24	48	58	58	4			6 00			2 50				.....
"	"	17	8	44	58				4 50							.....
"	"	19	52	58	58				6 00			2 00		2 90	1 00	1	1 00
"	"	*27	26	58	58				6 90							.....
"	"	21	52	58	58				9 00							.....
"	"	19	52	58	58				7 00							.....
"	"	22	36	16	58				6 00							.....
"	"	33	32	58	58				10 00			3 00		2 00	2 00	.....	3 00
"	"	32	52	58	58				10 50			3 50		1 50	1 50	.....	3 00
"	"	19	52	58	58				9 00			4 00		2 00	2 00	.....	1 00
"	"	24	52	58	58				10 00							.....
"	"	17	52	58	58				10 00			2 00		2 00	1 00	.....
"	"	*17	8	49	58				6 00			2 00		2 00	1 00	.....	1 00

[illegible]

TABLE XII — WORKING WOMEN — SEBRING — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other nec- essaries.		
Potteries	American	*18	24	.....	58	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	51	.....	58	1	.....	.....	4 60	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	22	41.3	2.8	58	.5	.....	.....	\$6 02	.....	.....	\$2 06	.....	\$1 88	\$1 26	5	\$0 16

* Began work during year covered by investigation.

† Gave earnings to parents.

STEUBENVILLE.

GLASS.

Two factories inspected. The larger factory had fair sanitary conditions; the smaller had an ill-kept unsanitary toilet room. Work is paid for largely by the day, 75 cents being the average daily wage for experienced workers. Several small girls under the legal age were at work in the larger factory.

POTTERIES.

Good sanitary arrangements make the pottery a comfortable place to work in. Separate toilet rooms are provided for the sexes, and not any complaints were heard regarding the sanitary conditions.

Skilled workers in the decorating and decalcomania departments earn from \$1.25 to \$2 a day, but work is not always steady in these departments, while it is in the glost warehouse and bisque room. Apprentices to learn the decorating and decalcomania work begin for \$2 a week; every six months they receive an increase of 50 cents a week, until the trade is learned, when they are given piece work. There are possibly twenty different prices for the various kinds of decorating, according to the grade of the ware, and also the decoration.

TABLE XIII — WORKING WOMEN — STEUBENVILLE.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Glass	90	19	43.6	1.6	60	.1	.....	.3	\$4 12	.....	.....	\$2 27	\$0 04	\$1 20	\$0 81	.....	\$0 05
Potteries	72	21	44.2	.1	59	.5	.....	.5	5 48	.....	.....	3 33	21	1 77	1 34	5	14
Totals and averages.....	162	20	43.9	.9	59.5	.3	.....	.4	\$4 72	.....	.....	\$2 74	\$0 12	\$1 45	\$1 04	5	\$0 09

TABLE XIV—STEUBENVILLE.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE XIVa — WORKING WOMEN — STEUBENVILLE — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Class	American	20	52	60	.....	.....	.....	\$3 50	.....	.....	\$1 50	.....	\$1 00	\$1 00	.....	.....
"	"	19	48	60	4	.....	.....	2 50	.....	.....	2 0	.....	1 00	50	.....	.....
Totals and averages..	.....	19	43.6	60	.1	.....	.8	\$1 12	.....	.....	\$2 27	\$0 04	\$1 20	\$0 81	.....	\$0 05

* Began work during year covered by investigation. † Gave earnings to parents.

TABLE XIVb — WORKING WOMEN — STEUBENVILLE.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Potteries	American	22	52	52	59	59	59	59	\$6 00			\$3 00		\$1 50	\$1 50	50	.....
"	"	23	52	52	59	59	59	59	6 00			3 00		2 00	1 00	50	.....
"	"	23	52	52	59	59	59	59	6 00			2 50		2 00	1 00	50	.....
"	"	32	40	59	59	12	59	59	4 50			2 00		1 50	1 00	50	.....
"	"	28	52	59	59	59	59	59	4 50			2 00		1 50	1 00	50	.....
"	"	38	52	59	59	59	59	59	4 50			2 00		1 50	1 00	50	.....
"	"	42	40	59	59	59	59	59	4 50			2 00		1 50	1 00	50	.....
"	"	51	48	59	59	59	59	59	5 40			2 00		1 50	1 00	50	.....
"	"	20	50	59	59	59	59	59	5 40			2 00		1 50	1 00	50	.....
"	"	22	52	59	59	59	59	59	6 00			3 00		2 00	1 00	50	.....
"	"	25	52	59	59	59	59	59	6 00			3 00		2 00	1 00	50	.....
"	"	*17	20	59	59	59	59	59	3 00			3 50		1 50	1 00	50	.....
"	"	18	52	59	59	59	59	59	4 50			2 50		1 50	1 00	50	.....
"	"	22	52	59	59	59	59	59	4 50			2 50		1 50	1 00	50	.....
"	"	22	52	59	59	59	59	59	4 50			2 50		1 50	1 00	50	.....
"	"	19	52	59	59	59	59	59	4 50			2 50		1 75	50	50	.....
"	"	32	52	59	59	59	59	59	7 00			3 00		1 00	3 00	8	.....
"	"	*14	8	59	59	59	59	59	4 00			1 50		1 50	1 00	50	.....
"	"	21	52	59	59	59	59	59	7 00			3 50		2 00	1 50	50	.....
"	"	21	52	59	59	59	59	59	8 00			5 00		2 00	1 00	50	.....
"	"	16	51	59	59	59	59	59	4 50			3 00		2 00	1 00	50	.....
"	"	16	51	59	59	59	59	59	4 50			3 00		1 00	50	50	.....
"	"	18	40	59	59	59	59	59	4 50								.....
"	"	18	52	59	59	59	59	59	4 50			3 50		1 00	50	50	.....
"	"	21	52	59	59	59	59	59	5 00			3 50		75	25	50	.....
"	"	17	52	59	59	59	59	59	4 50			3 50					.....
"	"	18	52	59	59	59	59	59	4 50			3 50					.....
"	"	20	52	59	59	59	59	59	6 00			5 00					.....
"	"	23	52	59	59	59	59	59	9 00			5 00		2 50	1 50	50	.....
"	"	*13	4	59	59	59	59	59	2 00			5 00		2 50	1 50	50	.....
"	"	21	52	59	59	59	59	59	9 00			4 00		2 00	2 00	50	.....
"	"	19	52	59	59	59	59	59	9 00			4 00		2 00	2 00	50	.....
"	"	*15	26	59	59	59	59	59	2 00								.....
"	"	*17	40	59	59	59	59	59	3 00								.....

TOLEDO.

AWNINGS, TENTS AND FLAGS.

The sewing of awnings and different kinds of canvass goods is paid for by the week. The season varies. The busy time is from November to June.

Factories were roomy and bright. In the largest establishment, work room was in the second floor, and, in another, work room was on the third floor. Sanitary conditions fair. Buildings not adequately supplied with fire escapes.

BATH CABINETS.

In the stitching of materials for bath cabinets, about one hundred women are employed. Investigation of establishments showed that the work is being carried on under fair sanitary conditions, and a fair wage is paid, — all depending upon the skill of the worker. Prices paid for the stitching of a cabinet vary from 5 to 7 cents, according to the quality of materials used. Work is not steady the year through.

Buildings supplied with fire escapes.

BOXES — PAPER.

The making of paper boxes is one of the poorest paid industries in Toledo. Many young girls work in the factories for \$1.50 to \$2 per week, and there are many more who, after working a number of years, cannot make more than from \$3 to \$4 a week, working ten hours a day.

The work is all divided and paid for by the piece. For cornering, which is done by a machine, prices range from 25 cents to 35 cents per thousand, depending upon the size of boxes; for putting tops on boxes, prices are from 20 cents to 25 cents per thousand.

The only work done by girls in cigar box factories is papering. The three different factories pay different prices, — 50, 70 and 75 cents respectively per hundred.

Work rooms on third and fourth floors. No elevators. Sanitary conditions fair. Fire escapes provided.

BREAD AND OTHER BAKERY PRODUCTS.

There are only two bakeries in Toledo employing women. In the smaller establishment, sanitary conditions were good. In the larger place, the toilet accommodations were far from satisfactory. Workers in bakeries are poorly paid, — many working ten hours a day for \$3 and \$3.50 per week.

BRUSHES.

The operatives in the brush factories are paid by the piece. The work of filling the holes is done by machinery, — 4 cents to 6 cents per thousand holes; boring holes, from 2 cents to 3 cents per thousand holes. Good workers made from 80 cents to a \$1 a day. Manufacturers complained that convict labor is a competitor in this industry more than in any other, and claim if it were not for the machinery they use, and upon which they own a patent, they could not compete with the production from the prisons. Workers in brush factories are poorly paid, and much complaint was heard on the score of poor wages. In one factory,

there were insufficient toilet rooms, and inadequately supplied with fire escapes. In the largest factory, sanitary conditions were fair.

CLERKS.

Excessive hours, small pay and usually bad sanitary conditions make the life of the saleswomen far from an enviable one. With but one exception, stools were provided in the large stores inspected. In this same case, there is not a fit place for the clerks to eat their noon lunches. They are compelled to eat in a damp and unwholesome basement.

The average number of hours worked in all save one of the stores in Toledo is sixty-four hours per week, and all the stores, with this exception, do not close before 10 o'clock on Saturday night. The half holiday usually given in other cities through the hot months in the summer is not given in any of the stores in Toledo, and all keep open Saturday evenings in the summer.

Cash and bundle girls receive from \$1.50 to \$2.00 per week. A large number of children, under legal age, are employed as cash girls, and in one second rate store, where cash girls receive \$1.50 per week, they are required to sweep out the store.

The system of fines in vogue in several of the larger stores is rather unique. If clerks are late in the aggregate of thirty minutes in a week, they are not fined; but, if they are late over thirty minutes, they are docked one hour's time.

CLOTHING — MEN'S.

The making of clothing is one of the poorest paid industries in the city. It has its seasons when, by working over time, fair wages can be made, but, generally speaking, the average weekly wages is very small.

In establishments visited, the rooms were illy ventilated, and, in two instances, workers were obliged to climb to the fifth floor to reach work rooms. The work on a shirt is sub-divided, and passes through six or eight hands before reaching completion. For instance, one sews seams at 4 cents a dozen; another, collars at 6 cents a dozen; another sews on buttons; another sews up the seams; then another folds and marks the garment for market.

Young girls were found working for as little as \$1.50 per week.

Buildings not supplied with fire escapes.

CLOTHING — WOMEN'S.

While the sweating system does not prevail to any great extent in Toledo, the wages paid in the large factories are small. The manufacturing were constantly reducing the price of piece work. Constant application and long hours are necessary to eke out a bare living. During the busy season, by working long hours, fair wages can be earned; but there is so much slack time that it cannot be said that the making of women's clothing is a well-paid occupation.

Complaints were heard against the manufacturers for discrimination between the male and female workers, — it being claimed that the best paying work is given to the men. It has been said that the women workers are equally as skilled as the men, but are refused the better class of work.

In all factories visited, the work rooms were not large enough for the numbers employed; the ventilation was poor; and toilet accommodations insufficient. In one shirt waist factory, where one hundred and fifty girls were employed, there was but one small toilet room; another factory, employing about two hundred workers, had but one small, unsanitary toilet room. The greatest evil en-

countered in investigation of clothing factories was the wretched sanitary conditions.

LAUNDRIES.

Very fair conditions prevail in the leading laundries of Toledo, as only union labor is employed. The non union laundries are not very important, but conditions there are not what they should be. In one place visited, a complaint was made against working over time without extra pay. In union laundries, over time is paid for.

PRINTING AND BINDING.

In two of the four establishments visited, the sanitary conditions were poor. In one place, where about twelve girls were employed, there was only one toilet room for the use of both sexes. Complaints were frequently made to the employer without avail.

Buildings were not provided with fire escapes, and in two places work rooms were poorly ventilated. In the two largest establishments, sanitary conditions were splendid; and a fair scale of wages was paid. All over time was paid for.

Folding Work was paid for by the piece. Ten cents per thousand for 1 fold; 20 cents per thousand for 2 folds; 25 cents per thousand for 3 folds; and 30 cents for 4 folds.

Binders earn on an average \$1 a day.

TABLE XV — WORKING WOMEN — TOLEDO.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.				Average living expenses per week.				Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.			
Awnings, tents and flags.....	33	26	31.2	8	60	2.1	.....	8	\$4 80	.....	.....	\$2 67	.....	\$1 99	\$0 64	18	\$0 10
Bath cabinets	36	25	41.2	3.3	60	1.1	3.3	3.8	5 42	.....	.....	2 49	04	1 65	1 38	8	07
Boxes—paper	45	18	38.6	7.1	59.3	.....	.....	.....	3 17	.....	.....	1 90	08	1 67	62	.....	.....
Bread and other bakery products.....	33	20	43	4.9	60	1.1	.....	.....	3 86	.....	.....	2 09	03	1 54	58	.....	.....
Brushes	38	22	47.1	2	60	.....	.....	4	4 73	.....	.....	2 12	.....	1 90	98	7	25
Clerks	281	21	45.2	.6	64	.....	.....	.....	3 46	.....	.....	2 86	03	1 72	1 11	8	10
Clothing—men's	72	25	41.8	3	60	.....	.....	.....	3 40	.....	.....	2 45	.....	1 33	1 02	10	.....
Clothing—women's	417	24	41.5	3.1	60	.....	.....	.....	4 55	.....	.....	2 44	01	1 44	1 13	75	.....
Laundries	144	23	47.2	2.8	60	.....	.....	.....	5 40	.....	.....	2 34	02	1 50	1 32	18	13
Printing and binding.....	19	22	51.2	.....	54	.....	.....	3	4 61	.....	.....	2 55	.....	1 54	70	1	11
Totals and averages.....	1,118	23	43.1	2.7	60.9	.3	1	1	\$4 61	.....	.....	\$2 51	\$0 02	\$1 56	\$1 09	145	\$0 06

TABLE XVI — TOLEDO.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE XVIIa — WORKING WOMEN — TOLEDO.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Thorough sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Awnings, tents, flags....	American	28	50	.....	60	3	.....	2	\$9 00	.....	.....	\$3 50	.....	\$1 50	\$0 50	1	\$0 50
"	"	38	49	.....	60	2	.....	.....	6 00	.....	.....	2 50	.....	1 90	60	.....	1 00
"	German	20	50	.....	60	.....	.....	.....	6 00	.....	.....	1 00	.....	2 00	1 00	.....	.....
"	American	21	52	.....	60	.....	.....	.....	5 00	.....	.....	1 50	.....	2 00	1 50	.....	.....
"	"	21	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*18	8	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*19	10	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	46	6	46	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*16	8	10	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	German	25	16	36	60	.....	.....	.....	5 00	.....	.....	2 50	.....	2 00	50	.....	.....
"	"	34	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	American	*18	36	.....	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*18	.....	26	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*17	26	.....	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*23	10	26	60	.....	.....	.....	4 00	.....	.....	2 50	.....	2 00	50	.....	.....
"	"	*23	7	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	41	46	.....	60	.....	.....	6	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	German	22	32	20	60	.....	.....	1	6 00	.....	.....	2 00	.....	2 50	50	.....	.....
"	American	36	51	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	36	20	.....	60	32	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	22	44	8	60	.....	.....	.....	5 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	24	20	32	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*25	4	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	.....	60	.....	.....	16	5 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	25	36	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	.....	60	.....	.....	.....	6 00	.....	.....	3 00	.....	2 50	50	.....	.....
"	"	23	52	.....	60	.....	.....	.....	6 00	.....	.....	2 00	.....	2 00	1 00	.....	.....
"	"	27	52	.....	60	.....	.....	.....	6 00	.....	.....	2 00	.....	3 00	50	.....	.....
"	"	30	50	.....	60	2	.....	.....	6 00	.....	.....	4 00	.....	2 50	50	.....	.....
"	"	23	20	.....	60	32	.....	.....	6 00	.....	.....	4 00	.....	1 50	50	.....	.....
"	"	25	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	43	52	.....	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	26	31.2	8	60	2.1	.....	.8	\$4 80	.....	.....	\$2 67	.....	\$1 99	\$0 64	18	\$0 10

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XVII.—WORKING WOMEN—TOLEDO.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Bath	American	33	52	60	60	60	60	\$8 40			\$1 50		\$1 50	\$0 60	1	+	
"	"	16	52	60	60	60	60	3 60			2 00		2 00	2 00		+	
"	"	20	48	60	60	60	60	7 50			3 00		1 50	1 00		+	
"	"	28	40	60	60	60	60	6 00			\$1 00		2 00	1 00		+	
"	"	20	38	60	60	60	60	4 75			2 00		1 50	1 75		+	
"	"	*18	14	60	60	60	60	4 75			2 00		1 50	1 75		+	
"	"	24	40	60	60	60	60	4 75			2 25		2 00	50		+	
"	"	34	49	60	60	60	60	4 75			3 00		1 00	75		+	
"	"	*31	20	60	60	60	60	4 75			2 00		1 00	1 75	1	+	
"	"	*15	30	60	60	60	60	4 75			2 25		1 50	75		+	
"	"	18	49	60	60	60	60	4 50			3 00		2 00	2 00	2	+	
"	"	19	26	60	60	60	60	7 00			2 00		2 00	2 00		+	
"	"	30	50	60	60	60	60	4 50			2 25		1 50	75		+	
"	"	24	48	60	60	60	60	4 50			3 00		1 50	1 50		+	
"	"	32	48	60	60	60	60	5 00			2 00		1 50	1 50		+	
"	"	28	48	60	60	60	60	7 00			3 00		2 00	2 00		+	
"	"	42	50	60	60	60	60	6 00			2 50		2 00	2 00	1	+	
"	"	38	50	60	60	60	60	5 00			2 00		1 50	1 50		+	
"	"	24	47	60	60	60	60	5 00			2 50		1 50	1 50		+	
"	"	29	50	60	60	60	60	4 00			3 00		1 50	1 50		+	
"	"	26	48	60	60	60	60	4 00			3 00		1 50	1 50		+	
"	"	34	50	60	60	60	60	6 00			3 00		1 50	1 50		+	
"	"	29	50	60	60	60	60	1 1			3 00		1 50	1 50	2	+	
"	"	24	49	60	60	60	60	7 00			3 00		1 50	1 50		+	
"	"	*16	24	60	60	60	60	3 00			3 00		1 50	1 50		+	
"	"	25	43	60	60	60	60	6 00			2 50		2 50	2 00		+	
"	"	30	51	60	60	60	60	1 7			2 50		2 50	2 00		+	
"	"	31	48	60	60	60	60	2 2			2 00		1 50	1 50	3	+	
"	"	24	37	60	60	60	60	12			2 00		1 50	2 50		+	
"	"	*16	24	60	60	60	60	2 2			2 50		1 00	1 00		+	
"	"	17	50	60	60	60	60	4 53			2 50		1 00	1 00		+	
"	"	23	47	60	60	60	60	4 00			3 00		2 00	1 00		+	
"	"	40	46	60	60	60	60	6 00			3 00		2 00	1 00		+	
Totals and averages..		25	41.2	3.3	60	.1	3.3	\$5 42			\$2 49	\$0 04	\$1 65	\$1 38	8		

* Began work during year covered by investigation.

† Gave earnings to parents.

† Gave earnings to parents.

* Began work during year covered by investigation.

TABLE XVIc — WORKING WOMEN — TOLEDO.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Boxes — paper	American	17	52		54				\$2.50			\$1.25		\$2.00	\$0.75		\$2.00
"	"	16	52		54				2.50								
"	"	*18	44		54				2.50								
"	"	18	52		54				3.00								
"	"	22	52		54				6.00								
"	"	*16	26		60				2.50			2.00		2.00	50		
"	"	21	50		60				4.50			2.00	\$1.00	1.50	50		
"	"	28	20	32	60				5.06			2.00					
"	"	18	52		60				2.50								
"	"	19	52		60				4.00			1.00		1.50	50		
"	"	17	26	26	60				3.00			2.00		1.00	50		
"	"	17	52		60				3.50								
"	"	17	20	32	60				1.75			2.00					
"	"	18	52		60				3.75					1.75			
"	"	*17	44		60				2.50								
"	"	16	52		60				3.50			1.50		1.50	50		
"	"	16	52		60				3.56			1.50		1.50	50		
"	"	18	52		60				4.25								
"	"	18	52		60				4.00								
"	"	*23	12		60				3.00								
"	"	17	52		60				3.00								
"	Russian	*18	44		60				3.50			2.00		1.00	50		
"	American	16	17	35	60				1.75								
"	"	*16	2		60				1.75								
"	"	21	52		60				5.00			2.50		2.00	50		
"	"	*16	12		60				1.75								
"	"	20	52		60				3.00								
"	"	16	9	43	60				3.50								
"	"	16	52		60				2.00								
"	"	18	10	42	60				2.00								
"	"	19	30	32	60				2.00								
"	"	16	52		60				2.75								
"	"	20	52		60				2.75								
"	"	18	20	32	60				2.00								
"	"	17	52		60				3.00								

[illegible]

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XVII — WORKING WOMEN — TOLEDO.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Bread & other bak. prod's	American	25	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	23	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	22	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	19	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	35	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	*17	20	20	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	*17	26	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	20	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	20	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	20	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	19	26	26	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	*16	44	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	18	23	24	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	American	17	26	26	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	19	44	60	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	*18	20	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	20	52	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	20	52	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	17	52	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	21	52	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	18	48	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	German	28	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	American	24	44	8	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	18	26	26	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	"	"	19	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	26	26	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	German	29	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	American	17	26	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	26	26	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..		20	43	4.9	60	1.1	.....	.....	\$3.86	.....	.....	\$2.00	\$0.03	\$1.54	\$0.53	.....	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XVIe—WORKING WOMEN—TOLEDO.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Brushes	American	21	52	..	60	..	..	..	\$5 00	..	..	\$2 00	..	..	\$1 00	..
"	"	20	52	..	60	..	..	..	4 50	..	..	..	..	..	..	1
"	"	20	52	..	60	..	..	..	4 00	..	..	2 00	..	2 50	1 50	..
"	"	24	52	..	60	..	..	..	6 00	..	..	..	..	..	..	..
"	"	22	52	..	60	..	..	..	5 00	..	..	1 00	..	3 00	1 00	..
"	"	24	52	..	60	..	..	..	6 00	..	..	1 00	..	2 00	1 00	..
"	"	*17	4	8	60	..	..	..	3 00	..	..	..	..	..	..	1
"	"	22	52	..	60	..	..	..	6 00	..	..	..	..	..	..	..
"	"	22	52	..	60	..	..	..	6 00	..	..	..	..	..	..	..
"	"	23	50	..	60	..	..	..	5 50	..	..	..	..	..	..	..
"	"	19	52	..	60	..	..	..	8 00	..	..	..	..	..	..	..
"	"	*16	26	..	60	..	..	..	8 00	..	..	..	..	..	..	..
"	"	*16	26	..	60	..	..	..	8 00	..	..	..	..	..	..	..
"	"	18	52	..	60	..	..	..	4 50	..	..	..	..	..	..	..
"	"	17	51	..	60	1	..	..	4 30	..	..	..	..	..	..	..
"	"	16	52	..	60	..	..	..	2 70	..	..	..	..	..	..	..
"	"	*16	20	..	60	..	..	..	3 00	..	..	..	..	..	..	..
"	"	16	52	..	60	..	..	..	3 00	..	..	3 00	..	..	1 00	..
"	German	21	52	..	60	..	..	..	5 00	..	..	..	..	1 00	1 00	..
"	American	18	51	..	60	1	..	..	4 00	..	..	1 50	..	1 50	1 00	..
"	"	*19	12	..	60	..	..	..	3 00	..	..	..	..	..	..	..
"	"	25	52	..	60	..	..	..	6 00	..	..	2 00	..	2 50	50	1 00
"	"	30	52	..	60	..	..	..	6 00	..	..	2 00	..	2 00	1 00	..
"	"	*26	98	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 50	..
"	"	21	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	22	52	..	60	..	..	..	6 00	..	..	2 00	..	2 00	1 00	..
"	"	22	40	..	60	..	..	..	4 00	..	..	..	..	..	..	..
"	German	13	53	..	60	..	..	12	..	..	..	..	..	..	..	..
"	American	16	52	..	60	..	..	..	4 00	..	..	2 00	..	2 00	1 00	..
"	"	23	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	27	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	23	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	19	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	23	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	23	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	23	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..
"	"	22	52	..	60	..	..	..	5 00	..	..	2 00	..	2 00	1 00	..

TABLE XVIIe — WORKING WOMEN — TOLEDO — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Brushes	American	17	52	.....	60	.....	.....	.....	5 06	.....	.....	3 00	.....	1 00	1 00	.....	.....
"	"	24	52	.....	60	.....	.....	.....	5 00	.....	.....	2 00	.....	2 00	1 00	.....	.....
"	"	23	52	.....	60	.....	.....	.....	7 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	23	52	.....	60	.....	.....	.....	4 50	.....	.....	3 00	.....	1 00	50	.....	.....
Totals and averages..	.....	22	47.1	.2	60	.....	.....	.4	\$4 73	.....	.....	\$2 12	.....	\$1 90	\$0 98	7	\$0 25

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XXIV—WORKING WOMEN—TOLEDO.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clerks	American	52		64				\$6 00			\$2 50		\$2 00	\$1 50		
"	"	52		64				5 00			2 50		2 00	2 00	50	
"	"	20		64				8 00			4 00		2 00	2 00	50	
"	"	19		64				5 00								
"	"	50		64				3 50								
"	"	22		64				4 00			2 00		2 00	1 00		
"	"	51		64	1			5 00								
"	"	52		64				4 00			2 00		2 00	1 00		
"	"	21		64				5 00			2 00		2 00	1 00		
"	"	52		64				5 00								
"	"	18		64				5 00								
"	"	52		64				5 00								
"	"	*16	8	64				2 50								
"	"	*24	8	64				2 50								
"	"	*16	8	64				2 50								
"	"	*16	8	64				2 50								
"	"	16	8	64				2 50								
"	"	19	28	64			16	2 00								
"	"	27	52	64	8			10 00			1 50		1 00	50		
"	"	*17	8	64				10 00			5 00		2 00	3 00		
"	"	*20	20	64				3 00								
"	"	50	64					5 00								
"	"	21	52	64				5 00								
"	"	10	52	64				5 00								
"	"	52	64					5 00								
"	"	52	64					5 00								
"	"	18	52	64				5 00								
"	"	25	52	64				5 00								
"	"	21	52	64				5 00			1 50		1 50	1 50		\$1 50
"	"	21	52	64				5 00			2 00		1 50	1 50		
"	"	*16	8	64				2 00								
"	"	*16	8	64				2 00								
"	"	51	64					4 00								
"	"	21	51	64				5 00								
"	"	22	52	64				5 00			2 00		2 00	1 00		
"	"	21	52	64				4 00			2 50		1 50	1 00		
"	"	52	64					3 00			2 00		1 50	1 50		
"	"	17	50	64				3 00								
"	"	36	64					3 00								
"	"	19	36	64				3 00								
"	"	20	51	64				3 00								
"	"	22	50	64				4 00			2 00		1 50	50		
"	"	21	36	64				4 00			2 00		1 50	50		
"	"	21	36	64				4 00			3 00		1 50	50		
"	"	22	51	64				5 00			3 00		1 50	50		

TABLE XVII — WORKING WOMEN — TOLEDO — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clerks	American	52	52	64				\$4 00			\$1 50		\$1 50	\$1 00		
"	"	18	52	64				3 00								
"	"	20	52	64				3 00								
"	"	21	52	64				3 50								
"	"	31	52	64				3 50								
"	"	18	52	64				3 50								
"	"	34	52	64				3 50								
"	"	*19	26	64				3 50								
"	"	*20	24	64				3 50								
"	"	*16	30	64				3 50								
"	"	18	51	64	1			3 50								
"	"	19	50	64	2			3 00								
"	"	18	52	64				3 00								
"	"	17	51	64	1		7	3 00								
"	"	16	45	64				3 00								
"	"	*15	18	64				3 00								
"	"	*14	18	64				3 00								
"	"	16	51	64	1			2 50								
"	"	17	52	64				2 00								
"	"	*16	18	64				2 00								
"	"	*15	20	64				2 00								
"	"	*16	52	64				2 00								
"	"	27	50	64			2	2 00								
"	"	21	51	64			2	2 00								
"	"	20	50	64			2	2 00								
"	"	*16	26	64			2	2 00								
"	"	23	40	64				3 00								
"	"	22	52	64	12			3 00								
"	"	18	52	64				3 00								
"	"	21	52	64				3 00								
"	"	20	52	64				3 00								
"	"	32	52	64				3 00								
"	"	26	52	64				3 00								
"	"	30	51	64	1			3 00								

Clerks	American	50	64	2	6 00	2 00	2 00	2 00	1 00	1
32	64	50	64	64	2 00	2 00	2 00	2 00	1 00	1
22	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
26	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
16	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
17	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
16	64	51	64	64	2 00	2 00	2 00	2 00	1 00	1
26	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
24	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
22	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
16	64	51	64	64	2 00	2 00	2 00	2 00	1 00	1
15	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
*14	64	26	64	64	2 00	2 00	2 00	2 00	1 00	1
21	64	51	64	64	2 00	2 00	2 00	2 00	1 00	1
32	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
30	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
31	64	51	64	64	2 00	2 00	2 00	2 00	1 00	1
27	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
20	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
24	64	50	64	64	2 00	2 00	2 00	2 00	1 00	1
17	64	48	64	64	2 00	2 00	2 00	2 00	1 00	1
16	64	50	64	64	2 00	2 00	2 00	2 00	1 00	1
21	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
23	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
21	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
21	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
20	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
*18	64	12	64	64	2 00	2 00	2 00	2 00	1 00	1
17	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
19	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
20	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
*16	64	20	64	64	2 00	2 00	2 00	2 00	1 00	1
22	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
17	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
14	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
16	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
20	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
20	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
19	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
*20	64	24	64	64	2 00	2 00	2 00	2 00	1 00	1
*20	64	20	64	64	2 00	2 00	2 00	2 00	1 00	1
19	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
20	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1
*16	64	8	64	64	2 00	2 00	2 00	2 00	1 00	1
18	64	40	64	64	2 00	2 00	2 00	2 00	1 00	1
*22	64	16	64	64	2 00	2 00	2 00	2 00	1 00	1
*19	64	6	64	64	2 00	2 00	2 00	2 00	1 00	1
18	64	52	64	64	2 00	2 00	2 00	2 00	1 00	1

TABLE XVII — WORKING WOMEN — TOLEDO — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.	
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males, Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.			Other neces- saries.
Clerks	American	30	52	52	64	49			\$15 00			\$4 00		\$2 50	\$3 50	2	2 00
"	"	27	52	52	64	49			10 00			2 50		1 00	50		2 50
"	"	19	52	52	64	49			4 00			3 00		2 00	1 00		2 00
"	"	20	52	52	64	49			6 00			3 00		2 00	1 00		2 00
"	"	19	52	52	64	49			6 00			3 25		1 00	1 75		2 00
"	"	21	52	52	64	49			6 00			2 00	\$1 25	1 25	50		2 00
"	"	25	52	52	64	49			5 00			4 00	1 00	3 00	2 00		2 00
"	"	21	52	52	64	49			12 00			4 00	1 50	2 00	2 00		2 00
"	"	28	52	52	64	49			5 00								2 00
"	"	20	52	52	64	49			5 00								2 00
"	"	20	52	52	64	49			3 50			4 00		3 00	1 00		2 00
"	"	19	51	52	64	49	1		7 00			5 00		3 00	2 00		2 00
"	"	25	52	52	64	49			10 00								2 00
"	"	25	52	52	64	49			1 50			2 00		1 50	50		2 00
"	American	14	52	52	64	49			4 00			4 00		2 00	2 00		2 00
"	"	19	52	52	64	49			8 00								2 00
"	"	25	52	52	64	49			1 50								2 00
"	"	*15	20	20	64	49			1 50								2 00
"	"	17	52	52	64	49			2 00								2 00
"	"	20	52	52	64	49			2 50								2 00
"	"	16	52	52	64	49			2 50								2 00
"	"	19	50	52	64	49		2	3 00								2 00
"	"	26	52	52	64	49			4 00								2 00
"	"	20	52	52	64	49			3 00								2 00
"	"	26	52	52	64	49			3 00								2 00
"	"	16	26	26	64	49			1 50								2 00
"	"	18	51	51	64	49	1		1 50								2 00
"	"	15	26	26	64	49			8 00								2 00
"	"	19	51	52	64	49			4 00			2 00		1 50	50		2 00
"	"	25	51	52	64	49			5 00			2 00		1 50	1 50		2 00
"	"	*15	20	20	64	49			1 50			3 50		1 50	1 00		2 00
"	"	27	52	52	64	49			6 00			3 50		1 50	1 00		2 00
"	"	25	50	50	64	49		2	6 00			3 50		1 50	1 00		2 00

Clerks	American	21	48	64	4	\$4 50	\$2 50	\$1 50	\$0 50		
"	"	21	52	64	4	4 50	2 00	1 50	1 00	.....	.....
"	"	25	52	64	.....	5 00	3 00	1 50	1 00	.....	.....
"	"	24	49	64	3	5 00	3 25	1 00	75	.....	.....
"	"	18	52	64	.....	3 75	2 00	1 00	75	.....	.....
"	"	20	51	64	1	4 25	2 25	1 50	50	.....	.....
"	"	24	49	64	3	4 50	2 50	2 00	1 00	.....	.....
"	"	26	52	64	.....	5 50	2 50	2 00	1 00	.....	.....
"	"	28	52	64	.....	6 00	3 00	2 00	1 00	.....	.....
"	"	19	51	64	1	4 00	1 50	1 50	1 00	.....	.....
"	"	26	52	64	.....	8 00	4 00	2 00	2 00	.....	.....
"	"	*16	20	64	.....	2 00	.....	.....	.....	.....	.....
"	"	*14	18	64	.....	2 00	.....	.....	.....	.....	.....
"	"	14	52	64	.....	3 00	.....	.....	.....	.....	.....
"	"	14	51	64	1	3 00	.....	.....	.....	.....	.....
"	"	20	50	64	.....	5 00	3 00	1 50	50	.....	.....
"	"	24	52	64	.....	5 50	2 50	2 00	1 00	.....	.....
"	"	16	48	64	.....	1 50	.....	.....	.....	.....	.....
"	"	*11	20	64	.....	1 50	.....	.....	.....	.....	.....
"	"	*13	26	64	.....	2 00	.....	.....	.....	.....	.....
"	"	16	52	64	.....	3 00	.....	.....	.....	.....	.....
"	"	18	51	64	1	3 00	.....	.....	.....	.....	.....
"	"	17	51	64	.....	3 50	.....	.....	.....	.....	.....
"	"	17	51	64	.....	3 50	.....	.....	.....	.....	.....
"	"	19	51	64	1	4 00	.....	.....	.....	.....	.....
"	"	20	48	64	.....	7 00	2 00	1 50	50	.....	.....
"	"	21	52	64	4	5 00	3 00	2 00	2 00	.....	.....
"	"	28	52	64	.....	5 00	3 00	2 00	2 00	.....	.....
"	"	24	52	64	.....	5 00	3 00	2 00	2 00	.....	.....
"	"	*16	24	64	.....	2 00	.....	.....	.....	.....	.....
"	"	19	52	64	.....	5 00	.....	.....	.....	.....	.....
"	"	18	51	64	1	4 00	3 00	1 00	1 00	.....	.....
"	"	19	52	64	.....	4 00	2 00	1 00	1 00	.....	.....
"	"	40	48	64	.....	6 00	3 00	1 50	1 50	.....	.....
"	"	30	52	64	.....	6 00	.....	.....	.....	.....	.....
Totals and averages..	21	45.2	64	.3	\$4 46	\$2 86	\$1 72	\$1 11	8	\$0 10

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XVIg — WORKING WOMEN — TOLEDO.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clothing — men's	American	29	51	60	.....	.....	1	\$5 00	.....	.....	\$3 00	.....	\$1 00	\$1 00	.....	.....
"	"	28	51	60	.....	.....	1	6 00	.....	.....	4 00	.....	1 00	1 00	.....	.....
"	"	23	8	60	.....	.....	.....	5 75	.....	.....	2 50	.....	1 75	1 55	.....	.....
"	"	27	50	60	.....	.....	2	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	50	60	.....	.....	2	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	50	60	.....	.....	2	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	45	44	60	.....	.....	8	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	17	48	60	.....	.....	4	5 00	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	24	40	60	.....	.....	12	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	20	52	60	.....	.....	.....	5 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	"	21	44	60	.....	.....	8	7 50	.....	.....	2 50	.....	1 50	2 00	.....	.....
"	"	22	52	60	.....	.....	.....	6 00	.....	.....	4 00	.....	1 50	50	.....	.....
"	"	21	44	60	.....	.....	.....	5 00	.....	.....	3 00	.....	1 00	1 00	.....	.....
"	"	*21	32	60	.....	.....	20	5 00	.....	.....	3 00	.....	1 00	1 00	.....	.....
"	German	27	26	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	American	*17	26	60	.....	.....	4	6 00	.....	.....	2 00	.....	2 00	2 00	.....	.....
"	"	25	48	60	.....	.....	.....	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	Russian.	17	26	60	.....	.....	.....	3 50	.....	.....	2 00	.....	2 00	2 00	.....	.....
"	American	20	52	60	.....	.....	.....	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	13	44	60	.....	.....	8	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	German	16	48	60	.....	.....	4	2 00	.....	.....	.....	.....	.....	.....	.....	.....
"	American	17	50	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	60	.....	.....	2	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	32	20	.....	.....	.....	5 00	.....	.....	2 00	.....	2 00	1 00	.....	.....
"	"	50	52	60	.....	.....	.....	7 00	.....	.....	3 00	.....	2 00	2 00	.....	.....
"	"	28	48	60	.....	.....	.....	4 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	36	50	60	.....	.....	2	5 00	.....	.....	3 00	.....	1 00	1 00	.....	.....
"	"	40	52	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	30	50	60	.....	.....	2	3 50	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	26	48	60	.....	.....	4	4 00	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	"	30	50	60	.....	.....	2	5 00	.....	.....	2 50	.....	1 50	50	.....	.....
"	German	26	50	60	.....	.....	.....	4 50	.....	.....	2 50	.....	1 50	1 00	.....	.....
"	American	30	40	60	.....	.....	12	4 50	.....	.....	3 00	.....	1 00	1 00	.....	.....
"	"	24	50	60	.....	.....	2	5 00	.....	.....	3 00	.....	1 50	50	.....	.....

Clothing--men's.	40	36	16	60			6 00		2 50		2 00	50	
American	*18	20		60			4 00		2 00		1 00	1 00	..
"	*17	24		60			3 50		2 00		1 00	1 00	..
"	19	26	36	60			4 00		2 00		1 00	1 00	..
"	*23	48		60			5 00		2 50		2 00	50	..
"	26	50		60			5 00		3 00		1 00	1 00	..
"	29	48		60	2		5 00		2 50		1 00	1 00	..
"	40	50		60	2		5 50		1 50		1 00	1 00	..
"	29	48		60			5 50		1 50		1 00	1 00	..
"	30	40		60			4 00		2 00		1 50	50	..
"	19	46		60			4 00		2 50		1 50	50	..
"	20	50		60			4 50		2 00		1 00	2 00	..
"	20	49		60	1		5 00		2 00		1 00	1 00	..
"	24	36	16	60			4 00		2 00		1 00	1 00	..
"	24	40		60			4 00		2 00		1 00	1 00	..
"	24	32	20	60			5 00		3 00		1 00	1 00	..
"	*16	24		60			2 00		2 00		2 00	50	..
"	*15	18		60			2 00		2 00		1 00	1 00	..
"	24	50		60			5 00		2 00		1 00	1 00	..
"	22	51		60			5 00		2 00		1 00	1 00	..
"	22	50		60			4 00		2 00		2 00	50	..
"	24	48		60			4 50		2 00		2 00	50	..
"	*20	26	26	60			3 50		2 00		1 50	1 50	..
German	21	26		60			4 00		2 00		1 00	1 00	..
American	19	50		60			4 00		2 00		2 00	50	..
"	18	48		60			4 50		2 00		2 00	50	..
"	17	40		60			4 50		2 00		1 50	1 50	..
"	36	40		60			4 50		2 00		1 50	1 50	..
"	*14	20		60			2 00		2 00		1 00	1 00	..
"	*16	26		60			2 00		2 00		1 00	1 00	..
"	19	30	22	60			2 00		2 00		1 00	1 00	..
"	40	50		60			5 00		2 50		1 00	1 00	..
"	21	51		60	1		4 00		2 00		1 00	1 00	..
"	50	48		60	4		5 00		2 50		1 50	1 00	..
English	18	40		60			3 50		2 00		1 00	1 00	..
American	20	25		60			4 00		2 00		1 00	1 00	..
"	36	40		60			5 00		3 00		1 00	1 00	..
Totals and averages..	25	41.8	3	60	.2		\$4 60		\$2 45		\$1 33	\$1 02	10

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XVI^h—WORKING WOMEN—TOLEDO.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Clothing—women's	American	*16	20	...	60	1	...	...	\$3 00	...	...	...	...	...	...	...
"	"	18	52	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	18	50	...	60	...	...	2	3 75	...	...	...	...	...	...	...
"	Irish	21	51	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	American	21	50	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	20	50	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	25	47	...	60	...	...	...	4 50	...	...	...	...	...	...	...
"	"	*17	4	...	60	...	...	5	2 00	...	...	...	...	...	...	...
"	"	25	47	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	20	46	...	60	...	...	6	4 00	...	...	...	...	...	...	...
"	"	25	52	...	60	...	...	...	5 50	...	...	...	...	...	...	...
"	"	30	40	...	60	...	...	...	5 50	...	...	...	...	...	...	...
"	"	34	40	...	60	...	...	12	5 50	...	...	...	...	...	...	...
"	"	30	40	...	60	...	...	12	5 50	...	...	...	...	...	...	...
"	"	*20	26	...	60	...	...	...	5 50	...	...	...	...	...	...	...
"	"	20	40	...	60	...	...	...	3 00	...	...	...	...	...	...	...
"	"	*22	12	...	60	...	...	12	5 50	...	...	...	...	...	...	...
"	"	*22	12	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	24	50	...	60	...	...	...	5 50	...	...	...	...	...	...	...
"	"	32	52	...	60	...	...	2	6 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	24	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	44	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	19	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	24	50	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	17	52	...	60	2	...	...	3 00	...	...	...	...	...	...	...
"	"	21	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	21	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	22	52	...	60	20	...	...	5 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	26	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...
"	"	22	52	...	60	...	...	...	5 00	...	...	...	...	...	...	...

Clothing — women's	American	21	40	12	80	.....	5 00	2 00	1 50	1 50	.....
.....	21	52	.....	60	.....	5 00	2 50	2 00	1 50	.....
.....	22	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	21	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	22	52	.....	60	.....	5 00	3 00	1 50	1 50	.....
.....	*26	3	.....	60	.....	5 00	.....	.....	.....	.....
.....	21	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	21	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	22	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	20	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	19	52	.....	60	.....	5 00	2 00	1 50	1 50	.....
.....	*27	3	.....	60	.....	2 50	.....	.....	.....	.....
.....	28	52	.....	60	.....	4 50	2 50	1 50	50	.....
.....	*21	2	.....	60	.....	5 00	.....	.....	.....	.....
.....	24	48	.....	60	.....	2 00	.....	.....	.....	.....
.....	*20	4	.....	60	.....	2 00	.....	.....	.....	.....
.....	*16	28	.....	60	.....	2 50	2 50	1 00	50	.....
.....	*16	28	.....	60	.....	3 50	.....	.....	.....	.....
.....	*16	12	.....	60	.....	3 50	.....	.....	.....	.....
.....	*38	2	.....	60	.....	3 50	.....	.....	.....	.....
.....	*16	26	.....	60	.....	3 00	.....	.....	.....	.....
.....	*18	26	.....	60	.....	3 00	.....	.....	.....	.....
.....	17	48	.....	60	.....	2 50	.....	.....	.....	.....
.....	*21	3	.....	60	.....	5 00	3 00	1 50	50	.....
.....	20	52	.....	60	.....	2 50	.....	.....	.....	.....
.....	*22	1	.....	60	.....	2 50	.....	.....	.....	.....
.....	*18	2	.....	60	.....	3 00	.....	.....	.....	.....
.....	*22	48	.....	60	.....	3 00	.....	.....	.....	.....
.....	20	52	.....	60	.....	2 00	.....	.....	.....	.....
.....	19	32	.....	60	.....	2 00	.....	.....	.....	.....
.....	18	20	.....	60	.....	3 00	.....	.....	.....	.....
.....	17	52	.....	60	.....	4 00	.....	.....	.....	.....
.....	20	52	.....	60	.....	2 50	.....	.....	.....	.....
.....	19	52	.....	60	.....	5 00	3 00	1 50	50	.....
.....	22	52	.....	60	.....	5 00	3 00	1 50	50	.....
.....	20	52	.....	60	.....	5 00	2 00	1 50	50	.....
.....	30	52	.....	60	.....	8 00	3 00	2 00	3 00	.....
.....	34	52	.....	60	.....	3 00	.....	.....	.....	.....
.....	18	52	.....	60	.....	4 00	2 00	1 50	50	.....
.....	19	52	.....	60	.....	4 00	.....	.....	.....	.....
.....	35	52	.....	60	.....	5 00	.....	.....	.....	.....
.....	21	52	.....	60	.....	4 00	.....	.....	.....	.....
.....	23	50	.....	60	.....	4 00	2 00	1 50	50	.....
.....	23	52	.....	60	.....	4 00	.....	.....	.....	.....
.....	16	48	.....	60	.....	5 00	2 50	1 50	1 00	.....
.....	15	32	.....	60	.....	2 00	.....	.....	.....	.....
.....	18	50	.....	60	.....	3 50	1 50	1 00	1 00	.....
.....	20	52	.....	60	.....	4 00	1 50	1 00	1 00	.....
.....	19	48	.....	60	.....	3 75	1 50	1 50	1 00	.....
.....	*16	26	.....	60	.....	2 50	.....	.....	.....	.....
.....	*18	32	.....	60	.....	3 00	.....	.....	.....	.....
.....	16	40	.....	60	.....	2 00	.....	.....	.....	.....
.....	*18	7	.....	60	.....	2 00	.....	.....	.....	.....

TABLE XVIh — WORKING WOMEN — TOLEDO — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clothing — women's	American	40	51	...	60	1	...	...	\$5 00	...	...	\$2 00	\$0 50	\$1 00	\$1 50	1	...
"	"	32	48	...	60	...	4	...	4 50	...	...	3 00	...	1 00	50	...	...
"	"	26	51	...	60	1	...	...	6 00	...	...	3 00	...	1 50	1 50	...	...
"	"	24	51	...	60	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	21	52	...	60	...	...	...	4 00	...	...	3 00	...	1 50	50	...	...
"	"	18	52	...	60	...	...	...	5 00	...	...	3 00	...	1 50	50	...	...
"	"	25	52	...	60	...	...	...	7 00	...	...	3 00	...	1 50	2 50	...	...
"	"	30	2	50	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	25	26	26	60	...	...	...	5 00	...	...	2 00	1 00	1 00	1 00	...	...
"	German	20	52	...	60	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...	...
"	American	23	52	...	60	...	...	...	6 00	...	...	2 50	...	1 50	1 00	...	...
"	"	46	52	...	60	...	...	...	5 50	...	...	...	...	...	...	...	...
"	"	*21	1	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*23	16	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*24	12	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	20	40	...	60	...	12	...	4 25	...	...	...	...	...	...	...	...
"	"	18	40	...	60	...	12	...	4 00	...	...	...	...	...	...	...	...
"	"	24	40	...	60	...	12	...	4 00	...	...	...	...	...	...	...	...
"	"	22	51	...	60	...	1	...	5 50	...	...	2 50	...	1 50	1 50	...	...
"	"	40	52	...	60	...	4	...	6 00	...	...	...	...	...	...	...	...
"	"	20	48	...	60	...	...	...	4 50	...	...	...	...	...	...	...	...
"	"	*23	8	...	60	...	...	...	4 50	...	...	...	...	...	...	...	...
"	"	*16	12	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	42	1	51	60	...	...	...	5 00	...	...	...	...	...	...	...	...
"	German	18	52	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	American	36	52	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	17	1	51	60	...	...	...	8 50	...	...	...	...	...	...	...	...
"	"	19	52	...	60	...	...	...	2 50	...	...	2 00	...	1 50	1 50	...	...
"	"	35	26	26	60	...	...	...	5 00	...	...	3 00	...	1 50	1 00	...	...
"	"	*24	26	...	60	...	...	...	4 50	...	...	3 00	...	1 00	50	...	...
"	"	*23	2	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	20	52	...	60	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	German	*16	12	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	American	20	52	...	60	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...	...

[illegible]

TABLE XVII — WORKING WOMEN — TOLEDO — Continued.

Occupation.	Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Clothing — women's	American	50	...	60	2	...	...	\$4 00	...	...	\$2 00	...	\$1 00	\$1 00	...
"	"	19	...	60	...	...	2	3 50	...	...	2 00	...	1 50	1 50	...
"	"	17	...	60	...	...	3	5 00	...	...	...	...	...	...	...
"	"	16	...	60	5	...	...	4 00	...	...	...	...	...	...	...
"	Norwegian	20	...	60	...	...	2	5 00	...	...	3 00	...	1 00	1 00	...
"	American	24	36	60	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...
"	"	29	...	60	...	...	2	6 00	...	...	...	...	...	...	...
"	"	30	...	60	...	...	...	7 00	...	...	...	...	...	...	...
"	"	37	...	60	...	...	...	8 00	...	...	...	...	...	...	...
"	"	33	...	60	...	...	...	10 00	...	...	...	...	...	...	...
"	"	30	...	60	...	...	...	8 00	...	...	3 00	...	2 00	3 00	...
"	"	27	...	60	...	...	...	8 00	...	...	4 00	...	2 00	2 00	...
"	"	25	...	60	...	...	...	8 00	...	...	4 00	...	2 00	2 00	...
"	"	23	...	60	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...
"	"	24	...	60	...	...	...	6 00	...	...	...	...	...	...	...
"	"	*17	26	60	...	...	...	3 00	...	...	...	...	...	...	...
"	"	18	...	60	...	...	...	3 50	...	...	...	...	...	...	...
"	German	22	44	60	...	...	8	5 00	...	...	...	...	...	...	...
"	American	20	8	60	...	...	...	8 00	...	...	3 50	...	2 00	2 50	...
"	Austrian	*18	2	60	...	...	...	2 00	...	...	...	...	...	...	...
"	German	20	48	60	...	...	...	8 00	...	...	...	...	...	...	...
"	American	40	50	60	...	...	2	4 50	...	...	...	...	...	...	...
"	"	36	48	60	...	...	4	4 00	...	...	...	...	...	...	...
"	"	24	36	60	...	...	16	4 00	...	...	...	...	...	...	...
"	"	21	49	60	...	...	...	3 75	...	...	1 75	...	1 00	1 00	...
"	"	24	40	60	3	...	12	4 00	...	...	2 00	...	1 50	50	...
"	Canadian	20	38	60	...	...	14	4 00	...	...	2 00	...	1 50	50	...
"	American	*14	20	60	...	...	12	2 00	...	...	...	...	...	...	...
"	"	50	20	60	12	...	...	5 00	...	...	2 00	...	...	...	...
"	"	32	50	60	...	...	2	4 00	...	...	...	...	...	...	...
"	"	28	50	60	...	...	...	5 00	...	...	2 00	...	1 50	50	...
"	"	24	48	60	2	...	4	4 00	...	...	2 00	...	1 50	50	...
"	"	26	50	60	...	...	...	5 00	...	...	2 00	...	1 00	1 00	...
"	"	33	40	60	...	...	12	4 00	...	...	2 00	...	1 00	1 00	...
"	"	26	48	60	...	...	4	3 00	...	...	...	...	...	...	...

Clothing—women's	American	17	40	50	12	60	2	12	6 00	2 00	1 00	2	1 00	1 00	2	1
"	"	24	50	50	...	60	...	...	3 00	2 00	1 00	...	1 00	1 00	...	...
"	"	18	50	16	...	60	...	...	3 00	2 00	1 00	...	1 00	1 00	...	...
"	"	*14	16	20	22	60	...	...	4 00	2 00	1 00	...	1 00	1 00	...	...
"	"	19	50	48	...	60	...	...	6 00	2 00	1 00	...	1 00	1 00	...	...
"	"	30	48	4	4	60	...	...	5 50	2 00	1 00	...	1 00	2 00	...	...
"	"	20	50	60	...	60	...	...	5 00	2 00	1 00	...	1 00	2 00	...	...
"	"	38	40	12	...	60	...	...	4 00	3 00	1 00	...	1 00	1 00	...	...
"	"	40	50	...	...	60	...	...	5 00	3 00	1 00	...	1 00	1 00	...	...
"	"	36	40	...	...	60	...	...	5 00	2 00	1 50	...	1 50	1 50	...	...
"	"	19	42	...	...	60	...	...	5 00	2 00	2 00	...	2 00	2 00	...	...
"	"	17	42	10	...	60	...	...	4 00	1 50	1 50	...	1 50	1 50	...	...
"	"	19	50	...	...	60	...	...	4 50	1 50	1 50	...	1 50	1 50	...	...
"	"	*16	26	...	...	60	...	...	3 00	2 00	1 00	...	2 00	1 00	...	...
"	"	18	30	92	...	60	...	...	5 00	2 00	1 00	...	2 00	1 00	...	...
"	"	30	18	34	...	60	...	...	4 00	2 00	1 00	...	1 00	1 00	...	...
"	"	22	50	...	...	60	...	...	5 00	3 00	1 50	...	1 50	1 50	...	...
"	"	37	48	...	...	60	...	...	6 00	3 00	1 50	...	2 00	1 00	...	...
"	"	48	30	...	...	60	...	...	5 40	2 40	1 00	...	2 00	1 00	...	...
"	"	*14	30	...	...	60	...	...	2 00	...	...	...	...	...	...	...
"	"	*16	50	...	...	60	...	...	2 00	...	...	...	...	...	...	...
"	"	19	36	16	...	60	...	...	4 00	2 00	1 00	...	1 00	1 00	...	...
"	"	40	48	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	"	*16	26	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	"	30	50	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	Russian	30	48	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	American	30	48	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	Canadian	30	48	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	American	33	24	28	...	60	...	...	5 00	...	...	...	...	...	...	...
"	"	40	50	...	...	60	...	...	6 00	...	...	...	...	...	...	...
"	"	17	48	...	...	60	...	...	6 00	...	...	...	...	...	...	...
"	"	18	40	...	...	60	...	...	4 50	...	...	...	...	...	...	...
"	Canadian	32	36	...	...	60	...	...	4 50	...	...	...	...	...	...	...
"	American	36	48	...	...	60	...	...	4 00	...	...	...	...	...	...	...
"	"	24	50	...	...	60	...	...	4 00	...	...	...	...	...	...	...
"	"	30	20	20	...	60	...	...	3 50	...	...	...	...	...	...	...
"	"	*16	20	...	...	60	...	...	3 00	...	...	...	...	...	...	...
"	"	*14	26	...	...	60	...	...	3 00	...	...	...	...	...	...	...
"	"	*19	36	...	...	60	...	...	2 00	...	...	...	...	...	...	...
"	"	30	52	...	...	60	...	...	5 00	...	...	...	...	...	...	...
"	"	28	40	12	...	60	...	...	6 00	...	...	...	...	...	...	...
"	"	17	50	2	...	60	...	...	4 00	...	...	...	...	...	...	...
"	Canadian	30	48	...	...	60	...	...	4 00	...	...	...	...	...	...	...
"	American	26	48	...	...	60	...	...	4 00	...	...	...	...	...	...	...
"	Canadian	28	48	...	...	60	...	...	4 00	...	...	...	...	...	...	...
"	American	17	40	...	...	60	...	...	4 00	...	...	...	...	...	...	...
"	"	*16	40	...	...	60	...	...	3 00	...	...	...	...	...	...	...
"	"	*14	32	...	...	60	...	...	2 00	...	...	...	...	...	...	...
"	"	19	16	36	...	60	...	...	2 00	...	...	...	...	...	...	...
"	"	38	48	...	...	60	...	...	2 50	...	...	...	...	...	...	...
"	German	19	16	...	...	60	...	...	2 00	...	...	...	...	...	...	...
"	American	48	50	...	...	60	...	...	4 50	...	...	...	...	...	...	...
"	"	38	48	...	...	60	...	...	5 00	...	...	...	...	...	...	...

TABLE XVIa — WORKING WOMEN — TOLEDO — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clothing — women's	American	19	36	16	60				4 00			22 00		\$1 50	\$0 50	2	.....
"	"	30	18	34	60				6 00								.....
"	"	26	50	60	60			2	6 00								.....
"	"	27	48	60	60			2	6 00			2 00		1 50	1 00	1	.....
"	"	17	50	60	60				4 50								.....
"	"	14	24	28	60				5 00								.....
"	"	*19	14		60				2 00								.....
"	Russian	30	50	60	60				2 50			2 00		1 50	1 50		.....
"	American	24	40	60	60			12	5 00			2 00		1 50	1 50		.....
"	Polish	24	48	60	60			4	5 00			2 00		1 00	1 00	1	.....
"	American	19	50	60	60			2	4 00			2 00		1 00	1 00		.....
"	"	17	40	12	60				4 00			2 00		1 00	1 00		.....
"	"	20	50	60	60			2	4 00			2 00		1 00	1 00		.....
"	German	30	18	34	60				3 00			3 00		1 00	1 50		.....
"	American	21	40	60	60			12	4 00			2 00		1 50	1 00		.....
"	"	28	50	60	60				2 00								.....
"	"	*14	20	60	60				5 00			3 00		1 50	1 50		.....
"	"	17	32	20	60				3 00								.....
"	"	18	38	14	60				3 50			1 50		1 00	1 00		.....
"	"	13	50	60	60			2	5 00			2 00		1 50	1 00		.....
"	"	19	48	60	60			4	4 00			2 00		1 00	1 00		.....
"	"	*16	32	60	60				2 00								.....
"	Canadian	*14	20	60	60				5 00			3 00		1 50	50	2	.....
"	American	32	50	60	60		2		5 00								.....
"	"	48	50	60	60			2	5 00								.....
"	"	36	50	60	60			2	5 00								.....
"	English	29	48	60	60		4		5 00								.....
"	American	20	50	60	60		2		5 00								.....
"	"	21	50	60	60				5 00								.....
"	"	20	50	60	60			2	5 00			2 00		1 50	1 50		.....
"	"	24	48	60	60				5 00			2 00		1 00	1 00		.....
"	"	17	50	60	60		4		4 00			2 00		1 00	1 00		.....
"	"	26	40	60	60			12	5 00			3 00		1 50	1 50		.....
"	"	26	50	60	60			2	6 00			3 00		2 00	2 00	2	.....
"	"	34	36		60			16	7 00			3 00		2 00	2 00		.....

Clothing—women's	30	48	60	2	4	7 00	2 00	1 50	1 00	1	†
American	21	50	60	2	4	4 50	2 00	1 50	1 00	1	†
“	16	52	60	60	60	3 00	60	60	60	60	†
“	15	24	60	60	60	3 00	60	60	60	60	†
“	14	26	60	60	60	2 00	60	60	60	60	†
“	14	26	60	60	60	2 00	60	60	60	60	†
“	16	48	60	60	60	2 00	60	60	60	60	†
“	15	50	60	60	60	2 00	60	60	60	60	†
“	25	50	60	60	60	5 00	2 00	1 50	1 50	2	†
“	48	50	60	60	60	5 00	3 00	1 50	50	1	†
German	26	50	60	60	60	7 00	60	60	60	60	†
American	25	40	12	2	2	4 00	2 00	1 00	1 00	1	†
Canadian	20	28	60	60	60	5 00	3 00	1 00	1 00	1	†
American	18	50	60	60	60	5 00	2 00	1 50	1 50	1	†
“	30	50	60	60	60	3 00	60	60	60	60	†
“	16	24	28	60	60	2 00	60	60	60	60	†
“	21	50	60	60	60	2 00	60	60	60	60	†
“	26	40	60	60	60	3 00	60	60	60	60	†
“	27	50	60	60	60	5 00	2 50	1 00	1 50	1	†
Russian	30	48	60	60	60	4 50	2 00	1 50	1 50	1	†
American	24	50	60	60	60	6 00	3 00	1 50	1 50	1	†
“	27	52	60	60	60	5 00	2 00	2 00	1 00	1	†
“	26	48	4	60	60	6 00	3 00	1 00	1 00	1	†
“	24	52	60	60	60	5 00	2 00	1 00	1 00	1	†
“	19	50	60	60	60	4 00	3 00	1 00	1 00	1	†
“	19	50	60	60	60	5 00	3 00	1 00	1 00	1	†
“	26	52	60	60	60	6 00	2 00	2 00	1 00	1	†
“	17	48	60	60	60	5 50	2 50	2 00	1 00	1	†
“	16	24	60	60	60	2 00	60	60	60	60	†
Irish	36	50	60	60	60	4 00	2 00	1 00	1 00	1	†
American	40	52	60	60	60	6 00	3 00	1 50	1 50	1	†
“	36	50	60	60	60	7 00	4 00	2 00	1 00	2	†
“	20	50	60	60	60	6 00	3 00	1 00	1 00	1	†
“	17	48	60	60	60	5 00	2 00	1 00	1 00	1	†
“	40	50	60	60	60	3 00	2 00	1 00	1 00	1	†
German	50	36	16	60	60	2 50	1 50	1 00	1 00	1	†
“	48	52	60	60	60	3 00	2 00	1 50	50	1	†
American	50	40	12	60	60	6 00	3 00	2 00	2 00	1	†
“	36	50	60	60	60	2 00	3 00	2 00	1 00	1	†
“	36	50	60	60	60	2 00	3 00	2 00	1 00	1	†
“	16	24	60	60	60	2 00	3 00	2 00	1 00	1	†
“	48	51	60	60	60	3 00	3 00	1 50	50	1	†
“	36	52	60	60	60	3 00	3 00	2 00	1 00	1	†
“	17	28	60	60	60	5 50	3 00	2 00	1 00	1	†
“	24	50	60	60	60	6 00	3 00	2 00	1 00	1	†
“	30	48	60	60	60	4 00	2 00	1 00	1 00	1	†
“	36	50	60	60	60	4 00	2 00	1 00	1 00	1	†
“	17	50	60	60	60	3 00	2 00	1 00	1 00	1	†
“	17	40	12	60	60	4 00	2 00	1 00	1 00	1	†
“	17	52	60	60	60	4 00	2 00	1 00	1 00	1	†
“	16	48	60	60	60	3 50	2 00	1 00	1 00	1	†
“	36	50	60	60	60	4 00	2 00	1 00	1 00	1	†
“	48	50	60	60	60	5 00	2 00	1 00	1 00	1	†
German	36	48	60	60	60	4 00	2 00	1 00	1 00	1	†

TABLE XVI.—WORKING WOMEN — TOLEDO.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Laundries	American	20	52	60	2			\$9			\$25	\$0	\$2	\$1	1	+
"	"	20	50	60				6			3		1	1		+
"	"	21	48	60			4	6			2		1	1		+
"	"	19	20	32				6			2		1	1		+
"	"	30	52	60			2	6			2		2	1		+
"	"	28	50	60				5			2		1	1		+
"	"	19	40	12				5			2		1	1		+
"	"	16	30	60				5								+
"	"	19	27	25				5								+
"	"	17	52	60	2		2	5			2		1	1		+
"	"	19	50	60				5								+
"	"	18	50	60			2	5			2		1	1		+
"	"	26	40	12				5			2		1	1		+
"	"	17	24	28				5			2		1	1		+
"	"	25	52	60				5			2		1	1		+
"	"	24	52	60				5			2		1	1		+
"	"	18	51	60	1			2								+
"	"	36	4	8				2			2		1	1		+
"	"	22	50	60				5			2		1	1		+
"	"	25	50	60	2		2	5			2		1	1		+
"	"	20	52	60			2	7			1		1	1		+
"	"	35	51	60	1			5			2		1	1		+
"	"	20	48	60			4	5			2		1	1		+
"	"	28	52	60				5			2		1	1		+
"	"	23	52	60				5			2		1	1		+
"	"	32	40	12			2	7			3		1	1		+
"	"	24	50	60	1			5			2		1	1		+
"	"	25	51	60				5			2		1	1		+
"	"	29	52	60			2	7			2		2	1		+
"	"	31	48	60	2		2	5			3		1	1		+
"	"	19	50	60				7			2		1	1		+
"	"	26	52	60				7			3		1	1		+
"	"	29	50	60				6			3		1	1		+
"	"	30	48	4				5			3		1	1		+
"	"	*17	20					5			3		1	1		+

TABLE XVI: — WORKING WOMEN — TOLEDO — Concluded.

Occupation.	Age.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Laundries	22	American	48	...	60	60	60	60	\$5 00	...	...	\$2 00	...	\$1 50	\$1 50	...	...
"	18	"	26	26	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	24	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	24	"	52	...	60	60	60	60	5 00	...	...	2 50	...	1 50	1 50	...	...
"	18	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	19	"	40	12	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	23	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	37	"	28	24	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	28	"	50	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	20	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	19	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	19	"	51	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	17	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	24	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	16	"	20	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	19	"	50	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	32	"	51	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	23	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	20	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	17	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	24	"	52	...	60	60	60	60	6 00	...	...	3 00	...	1 50	1 50	...	...
"	29	"	52	...	60	60	60	60	6 00	...	...	3 00	...	1 50	1 50	...	...
"	30	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	24	"	52	...	60	60	60	60	5 00	...	...	3 00	...	1 50	1 50	...	...
"	31	"	52	...	60	60	60	60	5 00	...	...	2 50	...	1 50	1 50	...	...
"	17	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	19	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	17	"	52	...	60	60	60	60	4 50	...	...	2 00	...	1 50	1 50	...	...
"	24	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	30	"	52	...	60	60	60	60	6 00	...	...	2 50	...	1 50	1 50	...	...
"	36	"	52	...	60	60	60	60	7 50	...	...	2 00	...	1 50	1 50	...	...
"	40	"	52	...	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	27	"	48	4	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...
"	26	"	20	32	60	60	60	60	5 00	...	...	2 00	...	1 50	1 50	...	...

Laundries	American	24	52	60	.....	.....	.....	5 00	.....	2 50	1 50	1 00	.....
"	"	27	52	60	.....	.....	.....	5 00	.....	2 00	1 50	1 50	.....
"	"	19	52	60	.....	.....	.....	5 00	.....	2 00	1 50	1 50	.....
"	"	29	40	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	17	40	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	19	32	20	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	28	52	60	.....	.....	.....	5 50	.....	.....	.....	.....	.....
"	"	18	52	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	30	52	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	24	52	60	.....	.....	.....	7 00	.....	.....	.....	.....	.....
"	"	23	52	60	.....	.....	.....	7 50	.....	.....	.....	.....	.....
"	"	27	52	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	20	52	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	19	52	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	17	52	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	17	50	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	16	48	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	24	36	60	.....	.....	.....	5 50	.....	.....	.....	.....	.....
"	"	23	20	32	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	24	52	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	19	52	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....
Totals and averages..	23	47.2	2.8	.....	.....	.....	\$5 40	.....	\$2 34	\$1 50	\$1 32	\$0 13

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XVI; — WORKING WOMEN — TOLEDO.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Printing and binding....	Canadian	17	52	.....	54	.....	.....	.....	\$4 00	.....	.....	.....	.....	.....	.....	.....
"	American	22	48	.....	54	.....	.....	.....	3 50	.....	.....	\$2 50	.....	\$1 50	\$1 00	.....
"	"	24	48	.....	54	.....	.....	.....	5 00	.....	.....	3 00	.....	1 00	1 00	.....
"	"	20	47	.....	54	5	.....	.....	6 00	.....	.....	2 00	.....	2 00	2 00	.....
"	"	24	51	.....	54	1	.....	.....	4 00	.....	.....	1 50	.....	1 50	1 00	.....
"	"	22	52	.....	54	.....	.....	.....	4 00	.....	.....	2 50	.....	1 00	.....	.....
"	"	20	53	.....	54	.....	.....	.....	3 50	.....	.....	2 50	.....	1 00	.....	.....
"	"	16	52	.....	54	.....	.....	.....	3 50	.....	.....	2 50	.....	1 00	.....	.....
"	"	22	52	.....	54	.....	.....	.....	6 00	.....	.....	2 50	.....	2 50	1 00	.....
"	"	20	51	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....
"	"	22	52	.....	54	.....	.....	.....	4 00	.....	.....	3 00	.....	1 00	.....	.....
"	"	24	52	.....	54	.....	.....	.....	6 00	.....	.....	3 00	.....	2 00	1 00	.....
"	"	26	52	.....	54	.....	.....	.....	5 50	.....	.....	2 75	.....	2 00	75	.....
"	"	21	52	.....	54	.....	.....	.....	5 00	.....	.....	3 00	.....	2 00	50	.....
"	"	27	52	.....	54	.....	.....	.....	5 00	.....	.....	3 00	.....	1 50	50	.....
"	"	23	52	.....	54	.....	.....	.....	5 50	.....	.....	2 50	.....	1 00	50	.....
"	"	19	52	.....	54	.....	.....	.....	4 00	.....	.....	2 00	.....	1 50	50	.....
"	"	20	52	.....	54	.....	.....	.....	4 00	.....	.....	3 00	.....	1 00	.....	.....
"	"	21	52	.....	54	.....	.....	.....	4 00	.....	.....	3 00	.....	1 00	.....	.....
Totals and averages...	.....	22	51.2	.....	54	.5	.....	.3	\$4 61	.....	.....	\$2 55	.....	\$1 54	\$0 70	1
																\$0 11

* Began work during year covered by investigation.

† Gave earnings to parents.

WELLSVILLE.

POTTERIES.

About the same scale of wages is paid in the Wellsville Potteries as in East Liverpool. In two of the three potteries inspected, sanitary conditions were far from what common decency requires. In one place, there was not any toilet room for the women employes, and, in the other, women and men frequented the same toilet rooms. Many complaints were heard from the women, who bitterly denounced such impositions.

TABLE XVII — WORKING WOMEN — WELLSVILLE.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.		Average age.		Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.				Average living expenses per week.				Total No. of dependents.	\$0 \$3					
	180	20	44.3	54	.51	\$6 22	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.								
Potteries	180	20	44.3	54	.5	\$6 22	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.	7	\$1 17	\$1 87	\$0 01	\$3 08	\$0 33

TABLE XVII—WELLSVILLE.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE XVIII — WORKING WOMEN — WELLSVILLE.

Occupation.	Naivety.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- series.		
Potteries	American	26	52	54	54	.....	.....	.....	\$6 75	.....	.....	\$3 00	.....	\$2 00	\$1 75	.....	.....
"	"	22	52	54	54	.....	.....	.....	5 25	.....	.....	3 00	.....	1 25	1 00	.....	.....
"	"	22	52	54	54	.....	.....	.....	5 25	.....	.....	3 00	.....	1 00	1 25	.....	.....
"	"	*21	40	54	54	.....	.....	.....	5 25	.....	.....	3 00	.....	1 00	1 25	.....	.....
"	"	42	52	54	54	.....	.....	.....	6 00	.....	.....	1 50	.....	1 50	50	.....	.....
"	"	*28	3	54	54	.....	.....	.....	3 50	.....	.....	3 00	.....	2 00	1 00	.....	.....
"	"	25	52	54	54	.....	.....	.....	6 00	.....	.....	3 50	.....	1 50	1 00	.....	.....
"	"	30	52	54	54	.....	.....	.....	6 00	.....	.....	3 50	.....	1 50	1 00	.....	.....
"	"	28	52	54	54	.....	.....	.....	6 00	.....	.....	3 50	.....	2 50	50	.....	.....
"	"	*20	28	54	54	.....	.....	.....	6 00	.....	.....	3 00	.....	2 00	1 00	.....	.....
"	"	20	52	54	54	.....	.....	.....	6 00	.....	.....	2 50	.....	2 50	1 00	.....	.....
"	"	18	40	54	54	.....	.....	.....	4 20	.....	.....	2 50	.....	1 50	20	.....	.....
"	"	*15	9	54	54	.....	.....	.....	6 90	.....	.....	3 50	.....	2 50	1 00	.....	\$2 00
"	"	*16	12	54	54	.....	.....	.....	9 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	54	54	.....	.....	.....	3 60	.....	.....	4 00	.....	1 50	1 00	.....	1 00
"	"	23	51	54	54	.....	.....	.....	6 00	.....	.....	3 25	.....	1 75	1 00	.....	.....
"	"	21	53	54	54	.....	.....	.....	7 50	.....	.....	.....	.....	1 94	1 25	.....	.....
"	"	*22	28	54	54	.....	.....	.....	5 25	.....	.....	2 50	.....	1 25	1 50	.....	.....
"	"	49	52	54	54	.....	.....	.....	5 25	.....	.....	3 00	.....	1 50	75	.....	.....
"	"	16	32	54	54	.....	.....	.....	3 25	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*13	20	54	54	.....	.....	.....	2 25	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	32	54	54	.....	.....	.....	2 25	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*18	12	54	54	.....	.....	.....	2 25	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	54	54	.....	.....	.....	7 25	.....	.....	9 50	.....	1 50	1 25	.....	.....
"	"	23	52	54	54	.....	.....	.....	7 50	.....	.....	3 00	.....	1 50	50	.....	50
"	"	20	52	54	54	.....	.....	.....	5 00	.....	.....	2 25	.....	1 50	1 00	.....	.....
"	"	*25	12	54	54	.....	.....	.....	5 25	.....	.....	2 25	.....	2 00	1 00	.....	.....
"	"	49	52	54	54	.....	.....	.....	6 00	.....	.....	3 00	.....	2 00	1 00	.....	.....
"	"	40	52	54	54	.....	.....	.....	5 25	.....	.....	2 25	.....	2 00	1 00	.....	.....
"	"	16	52	54	54	.....	.....	.....	5 25	.....	.....	2 00	.....	2 00	1 25	.....	.....
"	"	28	52	54	54	.....	.....	.....	5 25	.....	.....	2 25	.....	2 00	1 00	.....	.....
"	"	*18	40	54	54	.....	.....	.....	6 00	.....	.....	3 50	.....	1 50	1 00	.....	.....
"	"	17	52	54	54	.....	.....	.....	15 00	.....	.....	5 00	.....	4 00	2 00	.....	\$ 00

Potteries	American	52	54				6 00	8 00	1 50	1 50	
cc	*18	16	54				2 60				
cc	*18	4	54				2 60				
cc	*16	26	54				4 50				
cc	*16	26	54				3 00	2 00	1 50	1 00	
cc	17	52	54				7 00	3 00	2 50	2 00	50
cc	*16	8	54				4 50	2 50	1 50	1 00	1 00
cc	*16	8	54				6 00				
cc	17	52	54				6 00	3 00	1 90	1 00	1 00
cc	19	48	54		4		8 00	3 00	2 00	2 00	1 00
cc	*13	52	54				8 00				
cc	*14	40	54				8 00				
cc	15	52	54				8 00				
cc	17	40	54		3		4 50	2 50	1 00	1 00	
cc	*15	40	54				3 00				
cc	14	52	54				2 50				
cc	26	52	54				2 50				
cc	25	52	54				2 50				
cc	21	52	54				5 50	2 50	1 50	1 50	
cc	23	52	48				12 00	4 00	1 75	1 50	
cc	19	52	48				12 00	5 00	3 00	2 00	3 00
cc	22	52	48				12 00		3 00	2 00	2 00
cc	25	52	48				12 00		3 00	2 00	3 00
cc	20	52	48				5 50		2 00	1 00	1 00
cc	*20	52	48				5 50		2 00	1 50	1 50
cc	19	52	48				5 50		2 00	1 50	1 50
cc	25	52	48				6 50	3 00	2 00	1 00	1 00
cc	*30	26	48				6 50	4 00	2 00	1 25	1 25
cc	23	52	48				6 00	3 00	1 00	1 25	1 25
cc	*20	26	48				5 25	3 00	1 50	1 75	1 75
cc	17	52	48				5 25	3 00	1 75	1 25	1 25
cc	19	52	48				5 25	2 25	2 00	1 25	1 25
cc	24	40	48		12		5 25	2 75	2 00	1 25	1 25
cc	21	50	48				5 25	2 00	1 25	1 00	1 00
cc	17	51	48		1		5 25	2 50	1 50	1 25	1 25
cc	18	52	48				3 60				
cc	*20	26	48				7 20				
cc	*14	12	58				3 60				
cc	*16	14	58				3 60				
cc	19	54	54				7 50	3 60			
cc	19	52	54				7 50	7 50	1 00	1 00	1 00
cc	24	52	54				7 50	8 75	2 50	1 25	1 25
cc	18	52	58				8 00	4 00	2 00	1 00	1 00
cc	18	52	58				8 00	4 00	1 50	1 50	1 00
cc	15	52	58				4 25				
cc	19	52	58				7 50	4 00	2 50	1 00	1 00
cc	*18	20	58				7 50				
cc	25	52	58				6 00	3 60	2 00	1 00	1 00
cc	*19	16	58				5 00	3 00	1 50	1 50	1 50
cc	*17	20	58				5 00	2 50	1 50	1 00	1 00
cc	*18		58				5 00	2 50	1 50	1 00	1 00

TABLE XVIII — WORKING WOMEN — WELLSVILLE — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Potteries	American	20	52	..	58	..	..	..	\$6 00	..	..	\$3 00	..	\$1 50	\$1 50	..	..
"	"	21	50	..	58	..	..	..	6 00	..	..	4 00	..	1 50	1 50	..	..
"	"	17	52	..	58	..	..	..	7 00	..	..	3 00	..	2 00	1 50	..	..
"	"	16	52	..	58	..	..	..	6 00	..	..	..	..	..	..	..	..
"	"	17	52	..	58	..	..	..	9 00	..	..	4 50	..	2 00	1 00	..	1 50
"	"	17	52	..	58	..	..	..	7 50	..	..	..	..	..	..	..	..
"	"	18	52	..	58	..	..	..	7 50	..	..	..	..	..	..	..	..
"	"	20	49	..	58	..	3	..	6 60	..	..	..	..	..	..	..	..
"	"	18	52	..	58	..	..	..	6 00	..	..	3 60	..	1 50	1 00	..	..
"	"	19	52	..	58	..	..	..	7 50	..	..	..	..	..	..	..	..
"	"	16	52	..	58	..	..	..	7 50	..	..	..	..	..	..	..	..
"	"	20	52	..	58	..	..	..	9 00	..	..	..	..	..	..	..	..
"	"	*30	24	..	58	..	..	..	10 00	..	..	5 00	..	3 00	1 00	..	1 00
"	English	*28	12	..	58	..	..	..	18 00	..	..	..	..	4 00	2 40	..	7 00
"	American	26	52	..	58	..	..	..	7 50	..	..	4 00	..	2 50	1 00	..	..
"	"	27	52	..	58	..	..	..	8 00	..	..	2 00	..	2 00	1 50	..	..
"	"	29	52	..	58	..	..	..	8 00	..	..	3 00	..	2 00	4 00	..	..
"	"	21	52	..	58	..	..	..	8 00	..	..	4 00	..	2 50	1 00	..	1 00
"	"	18	52	..	58	..	..	..	8 00	..	..	..	..	2 00	2 00	..	..
"	"	*17	52	..	58	..	..	..	6 00	..	..	5 00	..	2 00	1 00	..	..
"	English	*21	20	..	54	..	..	..	6 00	..	..	3 50	..	2 00	50	..	..
"	American	20	52	..	54	..	..	..	5 25	..	..	3 25	..	1 00	1 00	..	..
"	"	21	50	..	54	..	..	..	5 25	..	..	3 00	..	1 50	75	..	..
"	"	16	51	..	54	..	2	..	5 25	..	..	3 00	..	1 50	75	..	..
"	"	16	52	..	54	..	..	..	9 25	..	..	2 50	..	2 00	25	..	..
"	"	21	52	..	54	..	..	..	9 25	..	..	3 00	..	2 00	25	..	..
"	"	19	52	..	54	..	..	..	9 25	..	..	3 00	..	1 50	75	..	..
"	"	19	49	..	54	..	3	..	9 25	..	..	2 00	..	2 00	75	..	..
"	"	*17	24	..	54	..	..	..	3 60	..	..	2 00	..	2 00	1 25	..	..
"	"	19	52	..	54	..	..	..	4 50	..	..	2 00	..	1 50	1 00	..	..
"	"	*15	40	..	54	..	..	..	3 60	..	..	..	..	..	..	..	..
"	"	*15	16	..	54	..	..	..	3 60	..	..	..	..	..	..	..	..
"	"	*14	12	..	54	..	..	..	3 60	..	..	..	..	..	..	..	..
"	"	*18	20	..	54	..	..	..	6 60	..	..	3 00	..	1 90	2 00	..	..
"	"	21	52	..	54	..	..	..	6 60	..	..	..	..	..	..	..	..

[illegible]

TABLE XVIII — WORKING WOMEN — WELLSVILLE — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Potteries	American	24	52	54	.....	.....	.....	\$8 50	.....	.....	\$3 00	.....	\$2 00	\$1 00	.....	\$0 50
"	"	19	52	54	.....	.....	.....	6 50	.....	.....	3 00	.....	2 00	50	.....	1 00
"	"	18	50	54	2	.....	.....	6 50	.....	.....	3 00	.....	2 00	50	.....	1 00
"	"	19	52	54	.....	.....	.....	5 25	.....	.....	2 25	\$1 00	1 00	1 00	.....	1 00
Totals and aver yes..	.....	20	44.3	54	.5	.....	.1	\$9 22	.....	.....	\$3 08	\$0 01	\$1 87	\$1 17	7	\$0 83

* Began work during year covered by investigation.

† Gave earnings to parents.

YOUNGSTOWN.

CLERKS.

The same general conditions prevail in Youngstown as in other cities. The clerk works long hours, and is poorly paid. Sanitary conditions are poor, and several stores are not properly ventilated. Many girls begin to clerk for \$1.50 and \$2 per week. The majority interviewed live at home, and one merchant said for that reason he did not pay better wages,—claiming girls are willing to work for small wages, as they were not entirely dependent upon their earnings for support.

ELECTRICAL LAMPS.

The manufacture of electrical lamps or globes gives steady employment to about fifty young women. The twenty-four processes necessary to making a complete lamp is done by women. The work is light and can be accomplished almost entirely while seated. Work is paid for by the hour. Learners are paid 5 cents per hour; average workers earn 7, 8 and 9 cents an hour. Sanitary conditions fair.

LAUNDRIES.

The laundry workers do not have the long hours as those in other occupations. The work is hard, however, while the wages is very ordinary. Learners earn \$3 a week. The majority of laundries give half a holiday on Saturday, and do not begin work before 10 o'clock Monday forenoon.

TELEPHONE OPERATORS.

Young women learning the telephone work are not paid for the first three or four weeks, until they have thoroughly mastered the switch board. When competent, they are put on as relief operators, working about six hours a day, and receiving a salary of \$12 per month.

Telephone exchanges are sanitary, and lockers are provided for wraps. The largest exchange supplies all of its operators with coffee, tea and cream every noon. This is a pleasant fact to record, and it is to be regretted that more establishments employing women do not do the same.

TABLE XIX — WORKING WOMEN — YOUNGSTOWN.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Clerks	144	20	46.6	1.1	60	.4	.....	.3	\$3 77	.....	.....	\$2 90	.....	\$1 38	\$1 25	7	\$0 02
Electric lamps	36	19	31.4	4	60	.....	.....	.4	4 91	.....	.....	2 26	.....	1 64	1 39	2	.....
Laundries	90	20	41.3	2.5	54	.3	.....	.7	4 61	.....	.....	2 71	.....	1 39	1 29	3	01
Telephone operators	54	18	41.9	1	52.3	.5	.....	.1	4 41	.....	.....	2 68	.....	1 36	1 14	.....	.....
Totals and averages	324	20	42.6	1.8	57	.3	.....	.4	\$4 27	.....	.....	\$2 74	.....	\$1 41	\$1 26	12	\$0 01

TABLE XX—YOUNGSTOWN.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

Clerks	American	19	40	12	60		\$5.00	\$3.00	\$1.00	\$1.00	\$7
"	"	18	32	60	60		3.50				
"	"	16	32	60	60		3.50				
"	"	20	32	60	60		5.00				
"	"	23	50	60	60	2	6.00				
"	"	23	50	60	60		6.00				
"	"	18	52	60	60		3.00				
"	"	21	52	60	60		3.00				
"	"	21	52	60	60		6.00				
"	"	24	52	60	60		3.00				
"	"	21	52	60	60		3.00				
"	"	*18	26	60	60		3.00				
"	"	*20	26	60	60		1.50				
"	"	*16	12	60	60		1.50				
"	"	*17	12	60	60		1.50				
"	"	27	14	38	60		10.00	4.00	2.00	2.00	1
"	"	24	52	60	60		6.50				
"	"	24	52	60	60		9.00				
"	"	24	52	60	60		10.00				
"	"	27	52	60	60		6.00				
"	"	24	50	60	60	2	5.00	2.50	1.00	1.50	
"	"	21	52	60	60						
Totals and averages..	20	46.6	1.1	60	.4	\$3.77	\$2.90	\$1.38	\$1.25	7

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XXb — WORKING WOMEN — YOUNGSTOWN.

Occupation.	Age.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa-	Other occupa-	Hours of labor per week.	Through sick-ness.	Non-employ-ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg-ing.	Rent, light and heat.	Clothing.	Other neces-saries.		
Electric lamps.....	*18	American	26	.....	60	.....	.....	.....	\$4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	22	"	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	15	"	4	48	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	20	"	40	.....	60	.....	.....	12	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	*28	"	12	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	*18	"	20	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	*18	"	4	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	*20	"	4	.....	60	.....	.....	.....	3 60	.....	.....	.....	.....	.....	.....	.....	.....
"	18	"	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	20	"	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	18	"	2	46	60	.....	.....	4	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	27	"	52	.....	60	.....	.....	.....	6 50	.....	.....	.....	.....	.....	.....	.....	.....
"	*22	"	26	.....	60	.....	.....	.....	4 80	.....	.....	\$2 00	.....	\$1 80	\$1 00	1	.....
"	24	"	12	40	60	.....	.....	.....	5 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	*16	"	3	3	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	*18	"	4	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	*17	"	9	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	19	"	52	.....	60	.....	.....	.....	5 40	.....	.....	.....	.....	.....	.....	.....	.....
"	*17	"	26	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	*18	"	16	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	*14	"	9	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	18	"	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	*16	"	12	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	*18	"	12	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	*17	"	16	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	*17	"	16	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	24	"	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	19	"	52	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	19	"	52	.....	60	.....	.....	.....	5 50	.....	.....	.....	.....	.....	.....	.....	.....
"	22	"	52	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....	.....
"	22	"	52	.....	60	.....	.....	.....	4 80	.....	.....	2 80	.....	1 00	1 00	.....	.....
"	23	"	52	.....	60	.....	.....	.....	4 80	.....	.....	2 00	.....	1 80	1 00	.....	.....
"	18	"	52	.....	60	.....	.....	.....	4 20	.....	.....	2 00	.....	1 20	1 00	.....	.....

[illegible]

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XXc — WORKING WOMEN — YOUNGSTOWN.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Laundries	American	50	...	54	2	...	...	\$5 00	...	...	...	...	...	...	...	...
"	"	18	52	54	...	...	12	4 00	...	...	...	...	...	...	...	...
"	"	19	40	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	19	52	54	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	*16	26	54	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*15	20	54	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*27	20	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*18	26	54	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	*18	26	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*16	20	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	17	52	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	19	51	54	1	...	...	4 00	...	...	...	...	...	...	...	...
"	"	22	52	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	18	50	54	2	...	...	5 00	...	...	...	...	...	...	...	...
"	"	21	52	54	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	19	52	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*17	26	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	19	26	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	19	52	54	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	26	46	54	...	...	6	5 00	...	...	...	\$3 00	\$1 00	\$1 00	...	...
"	"	20	51	54	1	...	...	6 00	...	...	...	...	...	...	...	...
"	"	*25	26	54	...	...	...	5 25	...	...	...	...	...	...	...	...
"	"	24	50	54	2	...	...	5 00	...	...	...	...	...	...	...	...
"	"	21	46	54	6	...	...	5 00	...	...	...	...	...	...	...	...
"	"	30	52	54	...	...	...	15 00	...	...	...	...	...	...	...	...
"	"	*17	14	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*23	16	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*20	20	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*16	28	54	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	23	52	54	...	...	...	7 50	...	...	...	2 50	2 00	3 00	...	...
"	"	20	46	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	16	52	54	...	...	...	3 50	...	...	...	...	1 50	1 50	...	...
"	"	21	52	54	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	23	52	54	...	...	...	7 00	...	...	...	...	...	...	...	...
"	"	24	52	54	...	...	...	5 00	...	...	...	...	...	...	...	...

Laundries	American	19	50	54	2	.....	.....	5 00	.....	2 00	1 50	1 50	.....
"	"	26	40	54	.....	.....	12	5 00	.....	.....	.....	.....	.....
"	"	24	40	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	16	50	54	.....	.....	2	3 50	.....	.....	.....	.....	.....
"	"	*17	40	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*16	20	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	21	52	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	51	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	18	52	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	18	52	54	.....	.....	.....	7 00	.....	.....	.....	.....	.....
"	"	21	51	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	20	40	54	.....	.....	.....	7 50	.....	.....	.....	.....	.....
"	"	30	52	54	.....	.....	.....	8 50	.....	.....	.....	.....	.....
"	"	34	51	54	.....	.....	.....	8 50	.....	.....	.....	.....	.....
"	"	17	52	54	.....	.....	.....	2 50	.....	.....	.....	.....	.....
"	"	23	52	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....
"	"	23	52	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	10	40	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	17	52	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*13	26	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*16	40	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	34	52	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	21	52	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	19	52	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	19	52	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....
"	"	18	52	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....
"	"	24	50	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	26	48	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	21	50	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	20	48	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	20	52	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*17	40	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	17	52	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	16	52	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	17	46	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	19	50	54	.....	.....	.....	5 50	.....	.....	.....	.....	.....
"	"	18	52	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	23	52	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	25	51	54	.....	.....	.....	6 50	.....	.....	.....	.....	.....
"	"	16	52	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....
"	"	18	52	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....
"	"	17	16	54	.....	.....	.....	3 50	.....	.....	.....	.....	.....
"	"	17	16	54	.....	.....	.....	3 50	.....	.....	.....	.....	.....
"	"	*21	20	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	16	12	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*16	26	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*15	12	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....
"	"	*18	26	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	42	.....	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....
"	"	17	52	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....
"	"	18	12	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	17	40	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	19	52	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....
"	"	17	40	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	*17	12	54	.....	.....	.....	3 50	.....	.....	.....	.....	.....
"	"	24	50	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....

.....
\$0 50
.....

TABLE XXc — WORKING WOMEN — YOUNGSTOWN — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.*				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Laundries	American	28	52	54	54	54	54	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	26	54	54	54	54	2 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	54	54	54	54	7 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	20	41.3	2.5	54	.3	.7	\$4 61	.....	.....	\$2 71	.....	\$1 89	\$1 29	3	\$0 01

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE XXd — WORKING WOMEN — YOUNGSTOWN.

[illegible]

TABLE XXd — WORKING WOMEN — YOUNGSTOWN — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Telephone operators.....	American	17	51	...	54	1	...	...	\$4 50	...	...	2 50	...	1 00	1 00	...
"	"	*16	20	...	39	...	...	...	3 00	...	...	...	...	...	...	...
"	"	*18	25	...	39	...	...	...	3 00	...	...	...	...	...	...	...
"	"	18	50	...	39	2	...	...	3 00	...	...	...	...	...	...	...
"	"	17	48	...	39	...	...	4	3 00	...	...	...	...	...	...	...
"	"	*17	26	...	39	...	...	...	3 00	...	...	...	...	...	...	...
"	"	*16	30	...	39	...	...	...	3 00	...	...	...	...	...	...	...
"	"	24	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...
"	"	21	51	...	54	1	...	...	4 50	...	...	...	...	...	...	...
"	"	20	52	...	54	...	...	...	4 50	...	...	2 50	...	1 00	1 00	...
"	"	21	50	...	54	...	...	2	4 50	...	...	...	...	...	...	...
"	"	19	51	...	54	1	...	...	4 00	...	...	2 00	...	1 50	50	...
"	"	18	48	...	54	4	...	...	4 00	...	...	2 50	...	1 00	1 00	...
"	"	19	52	...	54	...	...	...	8 50	...	...	3 00	...	2 50	3 00	...
"	"	23	51	...	54	1	...	...	4 50	...	...	...	...	...	...	...
"	"	24	52	...	54	...	...	...	12 00	...	...	...	...	...	...	...
"	"	25	50	...	54	2	...	...	5 01	...	...	...	...	...	...	...
"	"	26	50	...	54	...	...	...	5 01	...	...	...	...	...	...	...
"	"	21	48	...	54	4	...	...	4 50	...	...	...	...	...	...	...
Totals and averages..	.....	18	41.9	1	52.3	.5	.....	.1	\$4 41	.....	.....	\$2 68	.....	\$1 86	\$1 14	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

CINCINNATI, OHIO, March 15th, 1902.

Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

DEAR SIR:—I have the honor to herewith submit report of my investigation relating to the condition of working women in the cities hereinafter named.

Respectfully submitted,

MRS. MOLLIE WEITLER.

DAYTON.

AWNINGS, TENTS AND FLAGS.

The trade at the present is very dull. The establishment visited was in a fair condition, the work room being on the second floor. It was light, clean and well heated.

The girls were apparently well contented, and very willingly answered all questions.

BOXES — PAPER.

In this industry there is a great difference in conditions, and also in the class of work between the Dayton firms visited, and the Cincinnati firms. The main work is folding boxes, oyster buckets and butter trays.

In preparing the card-board so that it can be folded into the proper shape, large presses, similar to printing presses, are used, only the form in which the type would be, in the other press, is supplied with knives instead. These are operated by girls in some of the places, and are very dangerous, as the operator is liable to place a sheet of cardboard in the form a little crooked, and in trying to straighten it, there is danger of having her fingers cut off. In some of the places visited, they do not allow girls to operate these machines. After the cardboard is creased, it passes to other hands, and they in turn fold and fasten the board into the required shape.

The hours as a rule are long, and in one place they are unusually so. In this place, the manager denied that there was any danger in running the machines used to crease the cardboard.

The work rooms are large, well lighted and ventilated, and the sanitary conditions are very good. The means of exit are also good. In the largest place visited, there are four good stairways in the building. Chairs are provided for all hands. The girls as a rule are bright and apparently well satisfied.

BOXES — WOODEN.

There are but three of these establishments in Dayton. The two visited varied as to general conditions. One was in a very good condition, the work room being light and well ventilated, with good sanitary conditions. The other was in an old building, with a very dark stairway, the work room being on the second floor. In this place, some of the girls did not want to answer the questions at first, but, after some rather lengthy explanations, they finally made their statements. The employers are very anxious to have all their help answer the questions, and assisted me in every manner possible.

BREAD AND OTHER BAKERY PRODUCTS.

The establishments here in Dayton do not employ very many girls. The work does not require any amount of skill. It consists in packing cakes and crackers, and also in icing small cakes. The places visited are comparatively well situated, and the sanitary conditions are such as to not cause complaint.

In one establishment, the proprietor was very anxious to have the toilet and dressing rooms examined. They were in very good condition. He also informed me that he intended to increase his force of help, and also to arrange a rest room in addition to other improvements that would be for the general comfort of his help.

CASH REGISTERS.

This is called the model factory of the world. Everything is to all appearances done for the comfort of the employes. There are four departments in which girls are employed, — the printing and binding room, the drill room, the stenographers and office help, and the polishing room. I was only allowed a certain number from each department, as the employer said that they had a certain amount to get out in a day, and it would disturb the routine of the establishment if I took the statement of each girl.

The girls employed here must have a certain amount of education, and they are refined girls, healthy and contented looking. The firm furnishes white aprons and sleeves to protect their clothes. They are also allowed twenty-five minutes of the firm's time in each week for bathtubs, thus leaving no excuse for the girls being uncleanly or untidy. They are furnished a noon lunch at the nominal sum of twenty-five cents per week. They have a large dining room, in which are cosy corners for the girls to rest. There is also a rest room provided with cots and easy chairs in a remote part of the building, away from the jar of the machinery, where the girls may rest when they are ill. The toilets are well equipped, and are kept scrupulously clean. One of the standing rules of this place is, that the girls must take a ten minutes' recess both in the morning and in the afternoon. During this time windows are opened, and the rooms flooded with fresh air. The girls have their clubs and literary society for the improvement of their conditions.

In the last year they had a strike of seven weeks duration. The girls are unwilling to speak on this subject.

CIGARS AND TOBACCO.

This industry employes more females than any other in Dayton. The conditions vary in the different places. There is a marked showing as to the conditions by the constant changing of the help from one place to another. In some of the places the girls have worked for a number of years. There have been several strikes in this trade, but the girls seem very unwilling, in any way, to refer to the causes and results of them.

One bad feature in one of the places is the apprentice system, under which they have young girls working. Here a new hand has to roll five thousand cigars without pay. If she is bright, she may be able to accomplish this task in a much shorter time than others. It certainly does not help to elevate this class of workers. To bring young girls into a place of this kind, and compel them to work a number of weeks for nothing, has a very demoralizing effect. In most cases, they become indifferent in their manners and appearances. One employer told me that these girls as a rule very seldom make good and careful workers. In his establishment, when it is necessary to have apprentices, he pays them a certain amount, something less than the experienced girls receive. He gave this as a reason, that the tobacco that is used by learners to make cigars is almost a total loss, if the cigars are not made properly. The work is all paid by the piece, the strippers receive the lowest wages.

The girls are supplied with knives to cut the leaf tobacco, and also a knife with which they trim the end of the cigar. They put the end of the cigar in their mouth to make the last roll of the wrapper. Why they do this, I cannot understand, as this leaf could be just as well pressed into shape by the fingers. While there has been an attempt at the betterment of some of the sanitary conditions in some places, in others the conditions are very poor. Some of the work rooms are well situated and well ventilated. The stairways are wide, and the means of exit are ample in case of an emergency.

CLERKS.

This class was hard to canvass, as the girls think themselves above the average working girl. The girls in Dayton are provided with stools, and are allowed the privilege of resting through the day. In most cases, they are very neat and tidy in their appearance. In the departments where heavy goods are sold, men are employed.

The girls are very reticent about letting another clerk know what they earn. In one place, the girls work on commission, receiving a small weekly salary, and at the end of the month they are paid the commission on their sales, which aggregates from two to six dollars.

All stores close at 5:30 P. M., with the exception of Saturday. The girls are allowed an hour for dinner every day, and an hour for supper on Saturday. The sanitary conditions are of the best. The employers, with the exception of one, treated me very courteously, and were willing to give me any assistance.

CLOTHING — MEN'S.

In this industry, the conditions were favorable. The establishments visited are in good and well appointed buildings, the work rooms being light and well ventilated, and sanitary conditions good.

In one place, the firm furnishes hot tea and coffee, at the rate of six pints for five cents, to their employes for their noon lunch, cream and sugar are also furnished with the tea or coffee without additional cost.

The girls are apparently contented with the existing conditions. The employers of these establishments were courteous and very willing to have a thorough investigation made.

COFFEE, BAKING POWDER AND SPICES.

In visiting the different establishments, I found that conditions varied. One establishment has a very large and well ventilated work room. The sanitary conditions are also very good. The general appearance of the workers gave evidence that they are well satisfied with their treatment. In another establishment, the work rooms are small, and not so well situated. Here they also manufacture the boxes in which they pack baking powder. These boxes are made on machines, which are operated by some of the girls. The operator has to handle a large sheet of tin, which the machine cuts and presses into the required shape. The work is both heavy and dangerous to handle, and should be done by men instead of girls. I also noticed that the belting on these machines runs very low, and is unprotected, therefore any one passing under it has to be careful. The machines are also placed very close together, making it dangerous to pass between them. In the room where they pack the baking powder in the boxes, the girls have comparatively easy work, and are pleasant and contented, some of them having been in their places for years.

The sanitary conditions as a rule are good, and there are sufficient means of exit in all the places.

CONFECTIONERY.

There are very few girls employed in the candy factories in Dayton. The establishment visited had a bright and clean work room, and the tables are kept in a very tidy condition. The girls were engaged in dipping chocolates, etc., and also in wrapping and packing candies.

The sanitary conditions are good, and the means of exit fair.

DRUGS AND CHEMICALS.

This establishment is well situated, and with very good sanitary conditions. But few girls are employed in this place. They were engaged in packing and

labeling patent medicine. They were pleasant and agreeable, and apparently well satisfied with their work.

LAUNDRIES.

The establishments visited have well situated work rooms. There is ample room to handle the work, and the sanitary conditions are very good. In one place I experienced considerable trouble in gathering the statistics, some of the girls taking exceptions to the questions. In the other places, the girls were very agreeable and ladylike. The employers were courteous and pleasant in their manner toward me.

LIQUORS.

In this establishment I found very few girls. They were engaged in bottling and labeling the liquors. The general conditions are as fair as they usually are in these establishments. The work room is well situated, and the means of exit are good, the stairways being wide and free.

MITTENS AND GLOVES.

This industry consists in the manufacture of mittens and gloves out of heavy cotton duck. They are used by drivers and laborers. Here I found girls working on quilting machines, where they were compelled to stand ten hours each day, because there were no accommodations for them to sit down. The work room had a very untidy appearance, due to a lack of care in keeping the place clean. The dressing room was in a very poor condition, no care being taken to keep the place clean. The stairways are good, and the sanitary conditions could be made good if the head of the firm would insist upon more care being taken by the employees.

PAINTS AND PAINTERS' SUPPLIES.

This establishment has very good conditions. The sanitary conditions are of the best. The dressing rooms are scrupulously clean and well kept. Each girl is provided with a locker to keep her street apparel in. There is also in this place a reading and lounging room. It is provided with easy chairs and a couch. The latest magazines are furnished by the firm for the girls' use. A recess is allowed twice a day, — fifteen minutes in the morning and fifteen minutes in the afternoon.

The proprietor informed me that it was his intention to improve these conditions as fast as it was possible. The place is so arranged that the male and female help do not have to use the same stairways. The girls are engaged in laveling cans of paint, printing labels, and in making sample sheets of the different colors of paints.

PRINTING AND BINDING.

In this industry, the general conditions, as regard ventilation and sanitation, were not so good as in other industries. The girls were pleasant and willing to answer the general questions as to their own conditions, and were satisfied with their positions. The employers were courteous, and made no objections to the time required to make the investigations.

In one of the establishments, they make large cloth signs, and the girls are employed in sewing the material together on ordinary sewing machines. This place is a new and well appointed one. In the other establishments, the girls are engaged in setting type, folding and covering small books and pamphlets, and also in feeding printing presses.

SCREWS.

There is only one place of this kind in Dayton. The place is well situated, with large work rooms. The sanitary conditions are good. The stairways are the bad feature of this establishment; they are winding and narrow, and also very steep.

The girls are engaged in sorting and sizing out screws and nails, and also in attending the machines that cut the thread of the screw. There is no real risk in running these machines. The work is tiresome for the machine hands, as they are required to stand at their machines. They made no complaint, however.

SEWING MACHINES.

In this establishment the girls are engaged in testing and examining sewing machines. The work room is well ventilated, and very large. The sanitary conditions are also very good.

The girls were pleasant and willing to answer the questions.

UMBRELLAS AND PARASOLS.

There is only one of these establishments in Dayton. The sanitary conditions are very good. The work rooms are clean, light and well ventilated. The work is light and clean. It consists in the making of the covers and fastening them on the frames. In this place, I found girls that have worked for this firm for ten and twelve years. They were pleasant and agreeable, and apparently well satisfied with their surroundings.

TABLE I — WORKING WOMEN — DAYTON.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Awnings, tents and flags.....	6	24	44	.....	60	.8	.....	.....	2.7	\$4.92	.....	\$2.75	.....	\$0.87	\$1.12	.....	\$0.17
Boxes — paper	184	21	43	5.5	61.4	.9	.....	.....	.6	3.98	.....	2.80	.03	.....	.....	.....	.04
Boxes — wooden	46	19	43	5	49.2	.7	.....	.....	.3	3.84	.....	2.41	.....	.....	.....	.....	.02
Bread and other bakery products.....	26	20	39.6	6	60	.5	.....	.....	.3	3.50	.....	2.42	.....	.....	.....	.....	.06
Cash registers	60	26	43	6	45	1.2	.....	.....	7.1	7.81	.....	3.19	.....	.....	.....	.....	.....
Cigars and tobacco.....	391	22	35.2	4	57.5	.7	.....	.....	.9	5.64	.....	3.07	.....	.....	.....	.....	.....
Clerks	213	23	37.1	12.6	56.9	.8	.....	.....	.5	5.02	.....	3.07	.....	.....	.....	.....	.....
Clothing — men's	150	26	41.8	6.4	59	.7	.....	.....	.2	5.33	.....	2.71	.....	.....	.....	.....	.....
Coffee, baking powder and spices.....	53	23	38.3	9	53.3	.9	.....	.....	.1	5.24	.....	2.48	.....	.....	.....	.....	.....
Confectionery	8	19	38.5	12.1	60	.1	.....	.....	1.2	3.75	.....	2.00	.....	.....	.....	.....	.....
Drugs and chemicals.....	9	22	44.2	.....	60	2.4	.....	.....	.4	5.21	.....	1.57	.....	.....	.....	.....	.....
Laundries	134	24	37.8	10.3	56.5	.7	.....	.....	.4	5.62	.....	3.20	.....	.....	.....	.....	.....
Liquors — distilled	8	25	52	.....	54	.....	.....	.....	.6	6.42	.....	3.20	.....	.....	.....	.....	.....
Mittens and gloves.....	13	22	46.3	4.2	60	.8	.....	.....	.6	6.42	.....	3.20	.....	.....	.....	.....	.....
Paints and painters' supplies.....	15	21	32.7	12	57	.3	.....	.....	.3	4.53	.....	2.25	.....	.....	.....	.....	.....
Printing and binding.....	48	26	37	11.6	59.6	.9	.....	.....	1.8	5.35	.....	2.50	.....	.....	.....	.....	.....
Screws	35	23	43.9	3.7	60	.3	.....	.....	.1	4.76	.....	2.65	.....	.....	.....	.....	.....
Sewing machines	10	27	49.8	8	60	.6	.....	.....	.8	7.35	.....	3.90	.....	.....	.....	.....	.....
Umbrellas and parasols.....	28	27	48.6	1.3	60	.3	.....	.....	.7	5.39	.....	2.46	.....	.....	.....	.....	.....
Totals and averages.....	1,437	23	39.1	8.3	57.3	.8	.....	.....	.9	\$5.17	.....	\$2.77	\$0.07	\$1.16	\$1.49	311	\$0.13

TABLE II—DAYTON.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

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TABLE IIa—WORKING WOMEN—DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Awnings, tents, flags....	American	30	49	...	60	3	...	...	\$4 50	...	...	\$3 00	...	...	\$1 60	...	\$1 00
"	"	21	50	...	60	2	...	...	6 00	...	...	2 00	...	...	1 60	...	...
"	"	24	46	...	60	...	...	6	4 50	...	...	2 60	...	...	1 00	...	...
"	"	29	48	...	60	...	...	4	6 00	...	...	3 60	...	...	1 00	...	...
"	"	20	46	...	60	...	...	6	4 50	...	...	...	...	...	...	...	...
"	"	*19	26	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
Totals and averages..	.....	24	44	.....	60	.8	.....	2.7	\$4 92	.....	.....	\$2 75	.....	\$0 87	\$1 12	.....	\$0 17

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IIb — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employed.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Boxes — paper	American	50		60			2	\$4.50			\$3.00		\$1.50	1.50		
"	"	52		60				4.50			2.50		1.00	1.00		
"	"	48		60			12	4.50			2.50					
"	"	18		60				4.50								
"	"	40		60				4.50			2.00		1.00	1.50		
"	"	20		60				4.50			2.25		1.25	1.50		
"	"	21		60				4.50			2.25		1.25	1.50		
"	"	31		60			1	4.50			2.50		1.00	1.00		
"	"	27		60				4.50								
"	"	16		60				4.50								
"	"	26		60				4.50								
"	"	43		60			4	4.50								
"	"	40		60			8	4.50								
"	"	38		60				4.50								
"	"	32		60				4.50								
"	"	21		60				4.50			2.00		1.00	1.50		
"	"	18		60				4.50								
"	"	41		60				4.50								
"	"	23		60			1	4.50								
"	"	20		60				4.50								
"	"	52		60				4.00								
"	"	45		60			1	4.00								
"	"	23		60				4.00								
"	"	53		60				4.00								
"	"	20		60				4.00			2.50		1.50	1.50		
"	"	17		60				4.00			1.50		1.50	1.00		
"	"	10		60				4.00			2.00		2.00	2.00		
"	"	52		60				4.00			2.00		1.00	1.50		
"	"	23		60				4.50			2.50		1.50	1.00		
"	"	52		60				5.00					1.00	2.50		
"	"	26		60				5.00					1.50	2.50		
"	"	52		60				4.00			2.00		1.00	1.00		
"	"	21		60				4.00								
"	"	20		60				4.00								
"	"	51		60			1	4.00								
"	"	47		60				4.00								
"	"	17		60				4.00								
"	"	20		60				4.00								
"	"	51		60				4.00								
"	"	47		60				4.00								
"	"	17		60				4.00								
"	"	17		60				4.00								
"	"	16		60			8	4.00			1.50		1.00	50		
"	"	19		60				4.00								
"	"	32		60				4.00			3.00		1.00	1.00		
"	"	22		60				4.00			2.00		1.50	2.50		
"	"	20		60				4.00							1.00	

TABLE IIb — WORKING WOMEN — DAYTON — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Boxes — paper	American	22	52	50	60	2	.....	.....	3 50	.....	.....	2 00	.....	1 00	50	.....	.....
"	"	14	50	.....	60	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	18	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	23	26	26	60	.....	.....	.....	4 50	.....	.....	2 00	.....	1 00	1 50	.....	.....
"	Irish	21	52	.....	.....	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	American	26	52	.....	60	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	22	48	.....	60	4	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	18	50	.....	60	2	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	22	51	.....	60	1	.....	.....	5 30	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	.....	60	2	.....	.....	8 75	.....	.....	1 00	.....	1 25	1 50	.....	.....
"	"	16	49	.....	60	.....	.....	.....	8 75	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	8 75	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	60	.....	.....	.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	51	.....	60	.....	.....	.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	46	.....	60	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	21	52	.....	60	6	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	23	52	.....	60	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	23	52	.....	60	.....	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	23	52	.....	60	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	.....	60	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	.....	60	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	49	50	.....	60	.....	.....	.....	7 00	.....	.....	5 00	.....	1 00	1 00	.....	.....
"	"	34	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	35	44	.....	60	8	.....	.....	4 50	.....	.....	4 00	.....	1 00	1 50	.....	.....
"	"	21	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	1 00	1 00	.....	.....
"	"	33	48	.....	60	4	.....	.....	4 50	.....	.....	3 50	.....	1 00	1 00	.....	.....
"	"	19	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	52	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	36	52	.....	60	.....	.....	.....	4 75	.....	.....	.....	1 00	75	3 00	.....	.....
"	"	22	52	.....	60	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	30	52	.....	60	.....	.....	.....	3 00	.....	.....	4 00	.....	1 00	.....	.....	.....
"	Irish	20	4	48	66	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	American	18	8	40	66	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	15	52	.....	66	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	28	50	.....	66	.....	.....	.....	4 00	.....	.....	1 50	.....	1 00	1 00	.....	.....

Boxes — paper	American	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46														

TABLE IIc — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Boxes—wooden	American	18	52	...	48	...	...	...	\$3 00	...	...	\$2 00	...	\$1 00	...	...
"	"	17	52	...	48	...	...	...	8 00	...	...	...	...	...	...	...
"	"	17	52	...	48	...	...	...	8 00	...	...	...	...	...	...	...
"	"	15	52	...	48	...	...	...	2 75	...	...	...	...	...	...	...
"	"	16	40	12	48	...	...	...	8 00	...	...	...	...	...	...	...
"	"	94	51	...	48	1	...	...	4 00	...	...	3 00	...	1 00	...	...
"	"	52	52	...	48	...	...	...	8 00	...	...	...	...	...	...	...
"	"	25	52	...	48	...	...	...	8 50	...	...	...	...	...	...	...
"	"	16	52	...	48	...	...	...	8 50	...	...	...	...	...	...	...
"	"	16	52	...	48	...	...	...	8 50	...	...	...	...	...	...	...
"	"	14	24	20	48	...	...	8	2 50	...	...	...	...	...	...	...
"	"	16	51	...	48	1	...	4	3 75	...	...	...	...	...	...	...
"	"	17	48	...	48	...	...	...	4 00	...	...	2 00	...	1 00	50	1
"	"	17	26	26	48	...	...	...	8 50	...	...	...	...	...	...	...
"	"	18	52	...	48	...	...	...	3 50	...	...	2 00	...	1 00	...	...
"	"	22	52	...	48	...	...	...	4 00	...	...	3 00	...	1 00	50	...
"	"	27	52	...	48	12	...	...	4 50	...	...	...	...	...	...	...
"	"	23	40	...	48	1	...	...	4 00	...	...	...	...	...	...	...
"	German	15	51	...	48	...	...	...	8 00	...	...	...	...	...	...	...
"	American	16	16	36	48	...	...	...	3 00	...	...	...	...	...	...	...
"	"	17	49	...	48	3	...	...	8 00	...	...	...	...	...	...	...
"	"	23	52	...	48	...	...	...	8 75	...	...	2 50	...	...	1 25	...
"	"	18	52	...	48	...	...	...	4 00	...	...	...	...	...	...	...
"	"	14	16	...	48	...	...	...	2 50	...	...	...	...	...	...	...
"	"	20	50	...	48	2	...	...	2 50	...	...	2 50	...	...	...	...
"	German	17	52	...	48	...	...	...	3 50	...	...	2 50	...	1 00	...	...
"	American	18	52	...	48	...	...	...	4 00	...	...	2 50	...	1 50	...	...
"	"	19	52	...	48	...	...	...	3 50	...	...	2 50	...	1 00	...	...
"	"	17	36	16	51	...	...	...	5 00	...	...	2 50	...	1 00	...	...
"	"	15	36	16	51	...	...	...	4 50	...	...	...	...	...	...	...
"	"	15	36	16	51	...	...	...	4 50	...	...	1 00	...	1 50	...	...
"	"	22	52	...	51	...	...	...	5 00	...	...	3 00	...	1 00	...	...
"	"	15	51	...	51	...	...	...	4 50	...	...	...	...	...	...	...
"	"	16	52	...	51	...	...	...	4 50	...	...	...	...	...	...	...
"	"	16	52	...	51	...	...	...	8 75	...	...	...	...	...	...	...
"	German	21	12	40	51	...	...	...	3 75	...	...	...	...	...	...	1 00

TABLE II*d* — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Througk sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income o ther than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	O ther neces- saries.			
Bread & other bak. prod's	American	52	20	60	60	60	60	\$4 50	3 00	3 00	\$2 00						
	"	20	52	60	60	60	60	3 60	3 00	3 00	2 00				\$1 60		
	"	17	50	60	60	60	60	3 00	3 00	3 00	2 00				1 50		
	"	25	44	60	60	60	60	4 00	4 00	4 00							
	"	20	52	60	60	60	60	3 00	3 00	3 00							
	"	18	52	60	60	60	60	3 00	3 00	3 00							
	"	17	52	60	60	60	60	3 00	3 00	3 00							
	"	17	52	60	60	60	60	3 00	3 00	3 00							
	"	*15	16	60	60	60	60	3 00	3 00	3 00	1 00				1 60		
	"	19	16	34	60	60	60	3 00	3 00	3 00	4 00				1 00		
	"	*13	26	60	60	60	60	4 80	4 80	4 80	3 00				1 80		
	"	23	52	60	60	60	60	3 00	3 00	3 00	1 50				1 50		
	"	21	52	60	60	60	60	3 00	3 00	3 00							
	"	16	16	36	60	60	60	3 00	3 00	3 00							
	"	*15	26	60	60	60	60	3 00	3 00	3 00	2 00				1 00		
	"	37	52	60	60	60	60	4 00	4 00	4 00							
	"	18	52	60	60	60	60	6 00	6 00	6 00	4 00				2 00		
	Totals and averages..	39.6	6	60	.53	\$3 50		\$0 15	\$2 42		\$0 67	\$0 98	\$0 06

* Began work during year covered by investigation. † Gave earnings to parents.

TABLE IIe — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Cash registers.....	American	35	45	.....	45	.....	.....	7	\$7.00	.....	.....	\$3.00	.....	.....	.....	.....	\$1.00
"	"	27	45	.....	45	.....	.....	7	8.50	.....	.....	3.00	.....	1.50	.....	.....	1.50
"	"	31	45	.....	45	.....	.....	7	8.50	.....	.....	3.00	.....	2.00	.....	.....	1.50
"	"	29	43	.....	45	.....	.....	9	6.75	.....	.....	3.00	.....	1.50	.....	.....	1.00
"	"	27	45	.....	45	.....	.....	7	5.00	.....	.....	3.00	.....	1.00	.....	.....	1.00
"	"	30	45	.....	45	.....	.....	7	6.50	.....	.....	3.50	.....	1.50	.....	.....	1.00
"	"	29	45	.....	45	.....	.....	7	6.50	.....	.....	3.50	.....	1.50	.....	.....	1.00
"	"	27	41	.....	45	.....	.....	7	6.50	.....	.....	3.50	.....	1.50	.....	.....	1.00
"	"	27	45	.....	45	.....	.....	7	6.75	.....	.....	2.75	.....	1.50	.....	.....	1.00
"	"	29	26	.....	45	.....	.....	7	7.50	.....	.....	2.00	.....	1.50	.....	.....	1.00
"	"	*17	16	.....	45	.....	.....	7	6.50	.....	.....	2.50	.....	1.00	.....	.....	1.00
"	"	34	45	.....	45	.....	.....	7	6.00	.....	.....	2.50	.....	1.00	.....	.....	1.00
"	"	38	45	.....	45	.....	.....	7	8.00	.....	.....	3.50	.....	1.50	.....	.....	1.00
"	"	30	45	.....	45	.....	.....	7	8.00	.....	.....	2.50	.....	2.50	.....	.....	1.00
"	"	25	45	.....	45	.....	.....	7	8.00	.....	.....	3.60	.....	1.00	.....	.....	1.00
"	"	23	45	.....	45	.....	.....	7	8.00	.....	.....	3.60	.....	1.00	.....	.....	1.00
"	"	32	45	.....	45	.....	.....	7	6.50	.....	.....	3.60	.....	1.00	.....	.....	1.00
"	"	22	45	.....	45	.....	.....	7	6.50	.....	.....	3.60	.....	1.00	.....	.....	1.00
"	"	23	45	.....	45	.....	.....	7	6.50	.....	.....	3.60	.....	1.00	.....	.....	1.00
"	"	33	45	.....	45	.....	.....	7	8.00	.....	.....	3.25	.....	1.75	.....	.....	1.00
"	"	30	41	.....	45	.....	.....	7	8.00	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	20	43	.....	45	.....	.....	7	7.25	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	22	43	.....	45	.....	.....	7	7.25	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	21	45	.....	45	.....	.....	7	6.00	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	23	45	.....	45	.....	.....	7	6.00	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	39	39	.....	45	.....	.....	7	8.50	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	34	41	.....	45	.....	.....	7	7.50	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	28	42	.....	45	.....	.....	7	7.50	.....	.....	4.00	.....	1.50	.....	.....	1.00
"	"	32	36	.....	45	.....	.....	7	6.50	.....	.....	3.25	.....	1.50	.....	.....	1.00
"	"	29	45	.....	45	.....	.....	7	6.50	.....	.....	3.00	.....	1.50	.....	.....	1.00
"	"	23	44	.....	45	.....	.....	7	7.00	.....	.....	3.00	.....	1.50	.....	.....	1.00
"	"	24	45	.....	45	.....	.....	7	7.00	.....	.....	3.00	.....	1.50	.....	.....	1.00
"	"	22	44	.....	45	.....	.....	7	8.50	.....	.....	3.50	.....	1.50	.....	.....	1.00
"	"	23	45	.....	45	.....	.....	7	8.00	.....	.....	3.50	.....	1.50	.....	.....	1.00
"	"	22	43	.....	45	.....	.....	7	7.50	.....	.....	3.50	.....	1.50	.....	.....	1.00

TABLE IIc — WORKING WOMEN — DAYTON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Casa registers.....	American	23	43	...	45	2	...	...	...	...	\$3 00	...	\$1 25	\$2 00	...	\$1 00
"	"	19	45	...	45	...	...	...	...	...	2 00	...	2 00	2 00	...	1 50
"	"	23	44	...	45	1	...	...	...	...	3 50	...	1 50	2 00	...	1 00
"	"	22	26	26	45	...	...	...	...	...	3 00	...	...	2 00	...	...
"	"	28	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	20	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	26	45	...	45	...	...	...	...	...	3 00	...	1 50	2 50	...	1 00
"	"	23	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	19	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	34	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	24	44	...	45	1	...	...	...	...	...	...	...	...	...	...
"	"	26	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	25	44	...	45	1	...	...	...	...	...	...	...	...	...	...
"	"	27	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	32	43	...	45	2	...	...	...	...	...	...	...	...	...	...
"	"	20	45	...	45	...	...	...	...	...	4 00	...	2 00	2 00	...	1 00
"	"	32	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	27	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	29	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	26	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	36	45	...	45	...	...	...	...	...	...	...	...	...	...	...
"	"	24	45	...	45	...	...	...	...	...	4 00	...	1 50	2 00	...	...
"	"	26	44	...	45	1	...	...	...	...	3 00	...	...	2 00	...	...
"	"	38	35	...	45	10	...	...	...	...	5 00	...	1 50	1 50	...	1 00
"	"	33	45	...	45	...	...	...	...	...	...	...	...	...	...	...
Totals and averages..	.....	26	43	4	45	1.2	.....	7.1	\$7 31	.....	\$3 19	.....	\$1 21	\$1 91	41	\$0 31

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE II*f*—WORKING WOMEN—DAYTON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Cigars and tobacco.....	American	22	20	32	60	60	60	60	98	00	\$3	1 00	\$28	00	1	1 00
"	"	24	20	32	60	60	60	60	00	00	3 00	1 00	2 00	00	1	1 00
"	"	25	26	26	60	60	60	60	60	00	5 00	1 50	1 50	1 50	1	1 00
"	"	17	20	24	60	60	60	60	00	00	00	1 50	1 50	1 50	1	1 00
"	German	22	21	60	60	60	60	60	7 00	00	3 00	2 00	2 00	2 00	1	1 00
"	"	22	52	60	60	60	60	60	7 00	00	3 00	2 00	2 00	2 00	1	1 00
"	"	10	48	60	60	60	60	60	9 00	00	3 00	1 50	1 50	1 50	1	1 00
"	American	23	53	60	60	60	60	60	6 00	00	3 00	1 00	1 00	1 50	1	1 00
"	German	27	16	36	60	60	60	60	6 00	00	3 00	1 00	1 00	1 50	1	1 00
"	American	16	52	60	60	60	60	60	6 00	00	3 00	1 00	1 00	1 50	1	1 00
"	"	17	53	60	60	60	60	60	8 50	00	3 00	1 75	1 75	6 00	1	1 00
"	"	30	53	60	60	60	60	60	10 50	00	3 00	2 50	2 50	5 50	1	1 00
"	"	19	53	60	60	60	60	60	10 50	00	3 00	1 50	1 50	5 50	1	1 00
"	"	17	53	60	60	60	60	60	5 00	00	5 00	2 00	2 00	4 50	1	1 00
"	"	20	53	60	60	60	60	60	7 00	00	5 00	2 00	2 00	4 50	1	1 00
"	"	52	53	60	60	60	60	60	9 00	00	5 00	2 00	2 00	4 50	1	1 00
"	"	30	52	60	60	60	60	60	9 00	00	5 00	2 00	2 00	4 50	1	1 00
"	"	*14	32	16	60	60	60	60	3 00	00	3 00	1 00	1 00	1 50	1	1 00
"	"	*15	3	60	60	60	60	60	2 50	00	3 00	1 00	1 00	1 50	1	1 00
"	German	*13	3	60	60	60	60	60	2 50	00	3 00	1 00	1 00	1 50	1	1 00
"	American	35	26	49	60	60	60	60	3 75	00	3 00	1 50	1 50	5 75	2	1 00
"	"	15	48	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	*15	1	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	16	22	30	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	16	32	20	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	16	32	20	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	16	52	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	29	32	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	42	52	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	41	52	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	"	45	52	60	60	60	60	60	3 00	00	3 00	1 50	1 50	5 75	2	1 00
"	German	20	52	60	60	60	60	60	7 00	00	3 00	1 50	1 50	4 00	1	1 00
"	American	23	52	60	60	60	60	60	7 00	00	3 00	1 50	1 50	4 00	1	1 00
"	German	19	52	60	60	60	60	60	7 00	00	3 00	1 50	1 50	4 00	1	1 00
"	"	19	52	60	60	60	60	60	7 00	00	3 00	1 50	1 50	4 00	1	1 00
"	American	17	52	60	60	60	60	60	5 00	00	3 00	1 50	1 50	4 00	1	1 00

TABLE II/—WORKING WOMEN—DAYTON—Continued.

Occupation.	Age.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Cigars and tobacco.....	19	American	51	...	60	1	...	...	\$5.00	...	...	...	...	...	...	...	+
"	16	"	52	...	60	...	...	...	5.00	...	...	...	...	...	...	1	+
"	20	"	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	30	"	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	34	German	52	...	60	2	...	...	5.00	...	...	...	...	...	...	...	+
"	*24	"	58	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	*17	"	8	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	22	"	48	...	60	4	...	...	4.00	...	...	...	...	...	...	...	+
"	25	"	51	...	60	1	...	...	6.00	...	...	...	...	...	...	...	1.00
"	28	American	51	...	60	1	...	...	6.00	...	...	...	...	...	...	...	1.00
"	17	"	46	...	60	6	...	...	3.00	...	...	...	...	...	...	1	+
"	19	"	50	...	60	...	...	...	3.00	...	...	...	...	...	...	...	+
"	19	German	52	...	60	...	...	2	3.00	...	...	...	...	...	...	...	+
"	32	American	52	...	60	...	...	...	7.00	...	...	...	...	...	...	...	+
"	29	"	52	...	60	...	...	...	6.00	...	...	...	...	...	...	...	+
"	28	"	52	...	60	...	...	...	6.00	...	...	...	...	...	...	...	+
"	19	German	48	...	60	...	...	4	5.50	...	...	...	...	...	...	...	+
"	28	"	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	20	"	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	38	American	16	...	60	...	...	...	7.00	...	...	...	...	...	...	...	75
"	30	German	51	...	60	...	...	...	6.00	...	...	...	...	...	...	...	+
"	20	American	52	...	60	1	...	...	5.00	...	...	...	...	...	...	...	+
"	23	"	51	...	60	...	...	...	9.00	...	...	...	...	...	...	...	1.50
"	18	"	4	...	60	...	...	1	5.00	...	...	...	...	...	...	...	+
"	18	"	4	...	60	...	...	26	7.00	...	...	...	...	...	...	...	+
"	18	"	4	...	60	...	...	...	4.00	...	...	...	...	...	...	...	+
"	*26	"	1	...	60	...	...	...	6.00	...	...	...	...	...	...	...	+
"	16	"	1	...	60	...	...	...	6.00	...	...	...	...	...	...	...	+
"	*18	"	6	...	60	...	...	...	3.00	...	...	...	...	...	...	...	50
"	26	"	1	...	60	...	...	...	7.00	...	...	...	...	...	...	...	+
"	24	"	1	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	*17	"	2	...	60	...	...	1	3.50	...	...	...	...	...	...	...	+
"	20	"	52	...	60	...	...	...	8.00	...	...	...	...	...	...	...	+
"	21	"	1	...	60	...	...	...	5.00	...	...	...	...	...	...	...	+
"	38	"	1	...	60	...	...	...	6.00	...	...	...	...	...	...	...	+
"	29	"	1	...	50	...	...	...	7.00	...	...	...	...	...	...	...	+

Cigars and tobacco.....	41	1	35	60	.....	16	7 00	.....	.....	1 00	2 00	8 00	.....	1 00
American	23	1	51	60	.....	.....	7 00	.....	1 50	.....	2 00	1 50	.....	2 00
"	30	52	.....	60	.....	.....	6 00	.....	.....	.....	.....	.....	2	.....
"	17	48	.....	60	.....	.....	10 00	.....	.....	1 50	1 50	3 00	4	.....
"	56	40	.....	60	.....	12	6 00	.....	3 00	.....	1 50	1 50	.....	1 00
"	21	52	.....	60	.....	.....	7 00	.....	.....	.....	.....	.....	1	.....
"	24	52	.....	60	.....	.....	5 50	.....	3 00	.....	1 00	1 00	.....	.....
"	19	52	.....	60	.....	.....	5 00	.....	.....	.....	.....	.....	2	.....
German	43	4	36	60	12	.....	5 00	.....	.....	.....	1 00	2 00	.....	.....
American	18	4	48	60	.....	.....	6 00	.....	3 00	.....	1 50	1 50	1	.....
"	28	4	46	60	2	.....	7 00	.....	4 00	.....	.....	.....	.....	.....
"	18	1	51	60	.....	8	3 50	.....	2 00	.....	1 00	1 00	2	.....
German	17	1	43	60	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
American	18	6	46	60	.....	6	4 00	.....	2 50	.....	2 00	2 00	.....	.....
"	22	6	40	60	.....	.....	4 50	.....	2 50	.....	1 00	2 00	.....	.....
"	18	6	43	60	3	.....	4 50	.....	2 50	.....	1 00	2 00	.....	.....
"	20	3	49	60	.....	.....	3 50	.....	2 00	.....	1 00	2 00	.....	.....
German	18	3	41	60	.....	8	5 00	.....	2 00	.....	1 00	1 00	.....	.....
American	18	1	47	60	4	.....	4 00	.....	2 50	.....	1 00	1 50	1	.....
"	16	3	37	60	.....	12	4 00	.....	.....	.....	.....	.....	.....	.....
"	10	3	47	60	.....	5	3 00	.....	1 50	.....	1 00	1 00	.....	.....
English	40	3	44	60	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....
American	17	3	49	60	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
"	*19	5	26	60	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	16	2	47	60	.....	.....	3 75	.....	5 00	.....	2 50	.....	.....	.....
"	18	5	46	60	.....	.....	7 50	.....	.....	.....	.....	.....	.....	.....
"	17	5	47	60	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	*16	3	26	60	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
"	*39	1	9	60	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
"	17	5	43	60	4	.....	3 00	.....	4 00	.....	1 00	4 00	1	.....
"	44	4	48	60	.....	.....	4 00	.....	.....	.....	1 00	2 50	1	.....
German	58	4	48	60	.....	.....	5 00	.....	4 00	.....	1 00	1 00	.....	.....
American	19	1	51	60	16	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	18	1	51	60	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	18	16	36	60	.....	.....	5 00	.....	2 50	.....	1 00	1 50	.....	.....
"	17	.....	52	60	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....
German	16	.....	40	60	.....	12	5 00	.....	.....	.....	.....	.....	.....	.....
American	13	3	49	60	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	16	4	48	60	.....	.....	7 00	.....	5 00	.....	2 00	2 00	.....	.....
"	16	5	47	60	.....	.....	4 00	.....	5 00	.....	1 00	2 00	.....	.....
"	58	6	46	60	.....	.....	2 50	.....	2 00	.....	1 00	3 10	.....	.....
"	*20	8	.....	60	.....	.....	4 00	.....	3 00	.....	1 00	1 00	1	.....
"	*42	8	.....	60	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....
"	17	2	49	60	1	.....	4 50	.....	2 00	.....	1 00	1 00	.....	.....
"	18	1	51	60	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....
"	16	4	48	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....
"	18	4	48	60	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....
German	27	5	47	60	.....	.....	5 00	.....	3 00	.....	1 00	1 00	4	.....
American	19	6	46	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....
"	16	.....	52	60	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....
"	18	4	48	60	.....	.....	5 00	.....	2 50	.....	1 00	1 50	.....	.....
"	18	.....	46	60	.....	.....	5 00	.....	4 00	.....	1 50	50	.....	.....
"	19	.....	44	60	.....	.....	7 00	.....	5 00	.....	2 00	.....	.....	.....

TABLE III/ — WORKING WOMEN — DAYTON — Continued.

Occupation.	Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Cigars and tobacco.	American	8	44	60				3 00							+
"	"	17	47	60				3 00							+
"	"	19	47	60				3 00							+
"	German	20	4	48				5 00							+
"	"	18	44	60				5 00							+
"	American	19	44	60				5 00			3 00		1 00	1 00	+
"	"	16	47	60				5 00							+
"	"	*16	4	60				1 50							+
"	"	18	32	60	12			6 00			3 50		1 50	1 00	+
"	"	16	37	60	12			4 00			2 00		1 00	1 00	+
"	"	20	49	60			3	4 50			2 50		1 00	1 00	+
"	German	19	48	60				5 00			3 50		1 00	1 50	+
"	"	21	40	48			7	6 00							+
"	"	18	50	48	2			6 00			3 00		1 00	2 00	+
"	American	25	52	48				6 00			3 00		1 50	1 50	+
"	"	20	52	48				6 00			3 00		1 00	2 00	+
"	"	18	52	48				6 00			3 00		1 00	2 00	+
"	"	27	52	48				6 00			3 00		1 00	2 00	+
"	"	23	52	48				5 00							+
"	German	20	52	48				5 00							+
"	"	21	52	48				5 00							+
"	"	25	36	48				3 00			3 50		1 50		+
"	"	23	52	48				3 00			3 00		1 00	2 00	+
"	American	18	52	48				4 00							+
"	"	16	52	48	4			5 50							+
"	"	18	48	48				6 00			3 00		1 00	1 00	+
"	"	24	52	48				5 00			5 00		1 50	1 00	+
"	"	23	52	48				8 50							+
"	"	21	52	48				8 50							+
"	"	18	52	48				5 50			4 00		2 00		+
"	"	16	52	48				6 00							+
"	"	*16	40	48				3 50			3 00		1 50	1 50	+
"	German	25	52	60				7 00							+
"	American	20	48	60	4			6 00			2 00		1 00	1 00	+
"	German	19	50	60			2	5 00							+

Cigars and tobacco.....	90	52	60	6.50	2.50	2.00	2.00	2.00	1.00	
American	44	16	54	36	54	2.75	2.75	2.75	2.75	
"	16	20	54	20	54	2.50	2.50	2.50	2.50	
"	17	52	54	20	54	2.75	2.75	2.75	2.75	
"	16	52	54	20	54	2.00	2.00	2.00	2.00	
"	35	52	54	20	54	1.75	1.75	1.75	1.75	
"	47	52	54	20	54	2.25	2.25	2.25	2.25	
"	14	26	54	26	54	2.50	2.50	2.50	2.50	
"	32	52	54	26	54	3.00	3.00	3.00	3.00	
"	30	52	54	26	54	2.00	2.00	2.00	2.00	
"	26	52	54	26	54	2.00	2.00	2.00	2.00	
German	15	12	40	40	54	2.25	2.25	2.25	2.25	
American	15	16	36	36	54	2.25	2.25	2.25	2.25	
German	15	26	54	26	54	1.00	1.00	1.00	1.00	
"	15	26	54	26	54	1.00	1.00	1.00	1.00	
"	15	26	54	26	54	2.00	2.00	2.00	2.00	
"	15	12	54	26	54	2.00	2.00	2.00	2.00	
"	32	52	54	26	54	2.50	2.50	2.50	2.50	
"	37	52	54	26	54	2.00	2.00	2.00	2.00	
"	18	52	54	26	54	3.00	3.00	3.00	3.00	
"	19	46	54	26	54	2.00	2.00	2.00	2.00	
German	26	46	54	26	54	3.00	3.00	3.00	3.00	
American	21	50	54	26	54	2.00	2.00	2.00	2.00	
"	18	52	54	26	54	2.00	2.00	2.00	2.00	
"	23	52	54	26	54	2.00	2.00	2.00	2.00	
"	23	52	54	26	54	2.00	2.00	2.00	2.00	
"	25	52	54	26	54	2.00	2.00	2.00	2.00	
"	21	50	54	26	54	2.00	2.00	2.00	2.00	
"	25	52	54	26	54	2.00	2.00	2.00	2.00	
"	15	16	54	26	54	2.75	2.75	2.75	2.75	
"	15	51	54	26	54	3.00	3.00	3.00	3.00	
German	29	45	54	26	54	3.00	3.00	3.00	3.00	
American	16	52	54	26	54	3.00	3.00	3.00	3.00	
"	28	51	54	26	54	3.00	3.00	3.00	3.00	
"	20	52	54	26	54	3.00	3.00	3.00	3.00	
"	25	36	16	16	54	3.00	3.00	3.00	3.00	
"	18	52	54	26	54	3.00	3.00	3.00	3.00	
"	17	52	54	26	54	3.00	3.00	3.00	3.00	
"	16	51	54	26	54	3.00	3.00	3.00	3.00	
"	22	26	26	26	54	3.00	3.00	3.00	3.00	
"	38	51	54	26	54	3.00	3.00	3.00	3.00	
"	22	52	54	26	54	3.00	3.00	3.00	3.00	
German	26	36	54	26	54	3.00	3.00	3.00	3.00	
American	16	52	54	26	54	3.00	3.00	3.00	3.00	
"	16	20	30	30	54	3.00	3.00	3.00	3.00	
"	20	16	16	16	54	3.00	3.00	3.00	3.00	
"	17	52	54	26	54	3.00	3.00	3.00	3.00	
"	20	52	54	26	54	3.00	3.00	3.00	3.00	
"	34	48	54	26	54	3.00	3.00	3.00	3.00	
"	32	50	54	26	54	3.00	3.00	3.00	3.00	
"	15	16	54	26	54	3.00	3.00	3.00	3.00	
German	17	52	54	26	54	3.00	3.00	3.00	3.00	
American	15	51	54	26	54	3.00	3.00	3.00	3.00	

TABLE II:—WORKING WOMEN — DAYTON — Continued.

Occupation.	Nativity.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.	
Cigars and tobacco.	American	52	52	54	54	54	54	\$7 50			\$5 00		\$1 50	\$1 00	.....
"	"	19	52	54	54	54	54	7 00							.....
"	"	18	51	54	54	54	54	12 00			6 00		1 50	1 50	4
"	German	24	52	54	54	54	54	10 00							1 00
"	American	16	52	54	54	54	54	4 00							.....
"	German	16	36	54	54	54	54	4 00							.....
"	American	16	26	20	54	54	6	4 00							.....
"	"	17	52	54	54	54	54	6 50							.....
"	"	16	12	54	54	54	54	5 00							.....
"	"	16	20	54	54	54	54	3 50							.....
"	"	23	52	54	54	54	54	6 50			3 00		1 50	1 00	.....
"	"	21	40	54	54	54	54	7 00			4 00		1 50	1 50	1 00
"	"	28	52	54	12	54	54	8 00			3 50		1 50	2 00	1 00
"	"	19	52	54	54	54	54	8 00							.....
"	German	18	32	54	54	54	54	5 00			2 00		1 50	1 00	1
"	"	20	52	54	54	54	54	4 50			2 00		1 00	2 00	.....
"	American	18	52	54	54	54	54	7 50							.....
"	German	18	52	54	54	54	54	6 50							.....
"	American	16	52	54	54	54	54	5 50							.....
"	German	26	52	54	54	54	54	7 50							.....
"	American	21	50	54	2	54	54	7 50							.....
"	"	18	52	54	54	54	54	7 00							.....
"	"	24	52	54	54	54	54	6 00			2 50		2 00	1 00	1 00
"	"	22	50	54	54	54	54	5 80			2 00		1 50	1 50	.....
"	German	19	52	54	2	54	54	6 30			3 00		1 00	1 50	.....
"	American	23	50	54	54	54	2	7 00			2 50		2 00	1 50	1 00
"	"	18	52	54	54	54	54	5 80							.....
"	"	21	52	54	54	54	54	6 00			2 50		1 50	2 00	.....
"	German	24	48	54	4	54	54	5 50			3 00		1 50	2 00	.....
"	"	20	52	54	54	54	54	5 50			4 00		1 00	1 50	.....
"	"	21	52	54	54	54	54	6 00							.....
"	American	18	49	54	54	54	8	4 50			3 00		1 50	2 50	.....
"	"	20	52	54	54	54	54	7 00							.....
"	"	17	52	54	54	54	54	4 50							.....

[illegible]

TABLE II^f — WORKING WOMEN — DAYTON — Concluded.

Occupation.	Age.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Cigars and tobacco.....	14	American	52	.....	60	.....	.....	.....	\$5 00	.....	.....	\$3 00	.....	\$1 00	\$1 00	.....	.....
"	24	"	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	20	German	48	.....	60	.....	.....	.....	7 00	.....	.....	.....	2 00	1 00	4 00	1	.....
"	*16	American	26	.....	60	.....	.....	.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	22	.....	35.2	12.6	57.5	.7	.....	.9	\$5 64	.....	.....	\$3 07	\$0 21	\$1 84	\$1 90	97	\$0 17

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IIg — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clerks	American	36	52	57	57	57			\$9 00			\$5 00		\$1 50	\$1 50	1	\$1 00
"	"	18	52	57	57	57			6 00			5 00		2 00	1 00		1 00
"	German	25	52	57	57	57			9 00			3 00		1 00	1 00		
"	American	22	52	57	57	57			5 00								
"	"	16	9	50	57	57			2 05								
"	"	16	52	57	57	57			2 50								
"	"	16	36	16	57	57			3 00			2 00		1 00	1 00		
"	"	*18	26	57	57	57			4 00			2 00		1 50	1 50		
"	German	20	52	57	57	57			3 00			2 00		1 00	1 00		
"	American	18	40	57	57	12			3 00			2 00		1 50	1 50		1 00
"	"	30	8	44	57	12			3 00			2 00		1 00	1 00		1 00
"	"	28	40	57	57	2			6 00								
"	"	32	50	57	57	2		12	6 00								
"	"	21	26	57	57	57			6 00								
"	"	15	12	40	57	57			2 00								
"	"	16	36	16	57	57			2 50								
"	"	16	36	16	57	57			2 50								
"	"	*17	26	57	57	57			3 00			3 00		1 00	2 00		
"	German	33	16	36	57	57			6 00								
"	"	17	51	57	57	57		1	3 50								
"	American	18	50	57	57	57			4 50								
"	"	21	50	57	57	2		2	4 00			2 50		1 00	50		
"	"	16	3	49	57	57			4 00			1 75		75	50		
"	"	*22	12	57	57	57			3 50								
"	"	*17	2	57	57	57			3 00								
"	"	44	46	57	57	6			4 50								
"	"	34	26	26	57	57			3 00								
"	"	29	4	48	57	57			3 00			2 50			50		
"	"	18	20	30	57	57		2	3 50			2 00		1 00	50		
"	"	18	20	32	57	57			4 50								
"	"	15	16	36	57	57			2 00								
"	"	*40	12	57	57	57			5 00								
"	"	32	52	57	57	57			6 00			3 50		1 50	1 00	1	
"	"	*16	26	57	57	57			5 00								
"	"	43	26	57	57	57		26	5 00								

[illegible]

Clerks	American	German	57	50	2	17
.....	57	57	52	17
.....	57	57	52	18
.....	57	57	52	19
.....	57	57	52	20
.....	57	57	52	21
.....	57	57	52	22
.....	57	57	52	23
.....	57	57	52	24
.....	57	57	52	25
.....	57	57	52	26
.....	57	57	52	27
.....	57	57	52	28
.....	57	57	52	29
.....	57	57	52	30
.....	57	57	52	31
.....	57	57	52	32
.....	57	57	52	33
.....	57	57	52	34
.....	57	57	52	35
.....	57	57	52	36
.....	57	57	52	37
.....	57	57	52	38
.....	57	57	52	39
.....	57	57	52	40
.....	57	57	52	41
.....	57	57	52	42
.....	57	57	52	43
.....	57	57	52	44
.....	57	57	52	45
.....	57	57	52	46
.....	57	57	52	47
.....	57	57	52	48
.....	57	57	52	49
.....	57	57	52	50
.....	57	57	52	51
.....	57	57	52	52
.....	57	57	52	53
.....	57	57	52	54
.....	57	57	52	55
.....	57	57	52	56
.....	57	57	52	57
.....	57	57	52	58
.....	57	57	52	59
.....	57	57	52	60
.....	57	57	52	61
.....	57	57	52	62
.....	57	57	52	63
.....	57	57	52	64
.....	57	57	52	65
.....	57	57	52	66
.....	57	57	52	67
.....	57	57	52	68
.....	57	57	52	69
.....	57	57	52	70
.....	57	57	52	71
.....	57	57	52	72
.....	57	57	52	73
.....	57	57	52	74
.....	57	57	52	75
.....	57	57	52	76
.....	57	57	52	77
.....	57	57	52	78
.....	57	57	52	79
.....	57	57	52	80
.....	57	57	52	81
.....	57	57	52	82
.....	57	57	52	83
.....	57	57	52	84
.....	57	57	52	85
.....	57	57	52	86
.....	57	57	52	87
.....	57	57	52	88
.....	57	57	52	89
.....	57	57	52	90
.....	57	57	52	91
.....	57	57	52	92
.....	57	57	52	93
.....	57	57	52	94
.....	57	57	52	95
.....	57	57	52	96
.....	57	57	52	9

TABLE IIg — WORKING WOMEN — TOLEDO — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Clerks	American	20	8	57	57	57	57	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	20	57	57	57	57	3 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	57	57	57	57	10 00	.....	.....	.....	.....	2 00	1 00	.....	1 00
Totals and averages..	.....	23	37.1	56.9	.8	.....	.5	\$5 02	.....	.....	\$3 07	.....	\$1 23	\$1 19	27	\$0 11

* Began work during year covered by investigation. † Gave earnings to parents.

TABLE III.—WORKING WOMEN—DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.			Other neces- saries.
Clothing—men's	German	30	50	...	60	2	...	...	...	...	...	...	...	...	...	...
"	"	24	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	American	35	48	...	60	4	...	...	...	...	...	...	...	...	...	...
"	"	21	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	German	26	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	American	45	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	German	46	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	43	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	American	27	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	26	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	29	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	30	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	18	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	20	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	32	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	30	12	32	60	8	...	...	...	...	...	...	...	...	...	...
"	"	20	40	8	60	4	...	...	...	...	...	...	...	...	...	...
"	"	37	48	...	60	4	...	...	...	...	...	...	...	...	...	...
"	"	26	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	27	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	25	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	24	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	21	47	...	60	5	...	...	...	...	...	...	...	...	...	...
"	"	23	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	German	27	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	American	25	52	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	21	44	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	22	54	16	60	...	...	...	...	...	...	...	...	...	...	...
"	"	21	44	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	24	50	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	21	36	15	60	...	...	...	...	...	...	...	...	...	...	...
"	German	*16	6	...	60	...	...	...	...	...	...	...	...	...	...	...
"	American	*47	12	32	60	...	...	...	...	...	...	...	...	...	...	...
"	"	20	50	...	60	...	...	...	...	...	...	...	...	...	...	...
"	"	27	49	...	60	...	...	...	...	...	...	...	...	...	...	...

TABLE IIb — WORKING WOMEN — DAYTON — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Throug sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Clothing — men's	American	8	44	60				\$6 00			\$3 25		\$1 25	\$1 50	.....	.....
	"	1	51	60	1			5 50			1 00		2 00	1 50	.....	.....
	"	51		60			8	5 00							.....	.....
	"	24	40	60				5 00			1 50		1 00	50	.....	.....
	"	17	26	60	1			5 00			2 50		1 00	1 50	.....	.....
	"	22	44	60				3 00			1 00		1 00	1 00	.....	.....
	"	22	26	60				4 50							.....	.....
	"	19	8	60				5 00							.....	.....
	"	21	16	60				5 00			2 00		1 50	1 50	.....	.....
	"	21	28	60	8			5 00			2 00		1 00	1 00	.....	.....
	"	21	52	60				5 00							.....	.....
	"	20	52	60				3 03			3 00		1 50	1 50	.....	.....
	"	16	52	60				6 00			3 00		1 00	1 00	.....	.....
	"	21	8	60	2			5 00			3 00		1 00	1 00	.....	.....
	"	23	50	60				4 75			3 00		1 00	75	.....	.....
	"	32	49	60			8	3 50							.....	.....
	"	*16	8	60				3 50							.....	.....
	"	56	51	60			1	4 00			3 00			1 00	.....	.....
	"	20	51	60				3 50							.....	.....
	"	21	32	60				2 50							.....	.....
	"	36	48	60				5 00		\$5 00			1 50	6 50	.....	.....
	German		30	32	60	4		5 00			2 50	\$2 00	1 50	1 50	.....	4
American		36	32	60			0 00			2 00		1 50	1 50	.....	.....
"	"	32	32	60			0 00							.....	.....
"	"	28	32	60			0 00							.....	.....
"	*20	12	60				3 50							3 50	.....	
"	"	23	52	60			4 00			3 00			1 00	.....	.....
"	"	22	52	60			5 00			2 00		1 00	2 00	.....	.....
"	"	30	52	60			6 00							.....	.....
"	"	25	52	60			5 50			2 50		1 50	1 50	.....	.....
"	"	25	52	60			5 00			3 00		1 00	1 00	.....	.....
"	German	22	52	60			4 00			3 00				.....	.....
"	American	*38	1	25	60			4 00						1 00	.....	
"	"	44	36	60			5 00			3 00		1 00	2 00	.....	.....
"	"	22	52	60			5 00			2 00		1 00	2 00	.....	.....
"	"	23	52	60			6 00			4 00		1 00	1 50	.....	.....
"	"	22	51	60	1		6 00			4 00		1 00	1 00	.....	.....

Clothing—men's	30	44	60	8	7 50	3 00	1 50	2 00	1 00
German	30	44	60	8	7 50	3 00	1 50	2 00	1 00
Russian	*21	3	60	8	3 50	4 00	1 50	2 00	1 00
German	22	52	60	8	5 00	4 00	1 50	2 00	1 00
American	24	49	60	1	5 00	4 00	1 50	2 00	1 00
"	18	52	60	1	5 00	4 00	1 50	2 00	1 00
"	*31	12	60	1	5 00	4 00	1 50	2 00	1 00
"	*15	26	60	1	5 00	4 00	1 50	2 00	1 00
"	33	52	60	1	5 00	4 00	1 50	2 00	1 00
"	06	52	60	1	5 00	4 00	1 50	2 00	1 00
German	47	59	60	1	5 00	4 00	1 50	2 00	1 00
Scottish	44	44	60	8	5 00	4 00	1 50	2 00	1 00
American	17	52	60	8	5 00	4 00	1 50	2 00	1 00
"	17	2	60	8	5 00	4 00	1 50	2 00	1 00
"	27	52	60	8	5 00	4 00	1 50	2 00	1 00
"	40	52	60	8	5 00	4 00	1 50	2 00	1 00
"	*39	26	60	8	5 00	4 00	1 50	2 00	1 00
"	31	52	60	8	5 00	4 00	1 50	2 00	1 00
German	33	52	60	8	5 00	4 00	1 50	2 00	1 00
"	48	1	60	8	5 00	4 00	1 50	2 00	1 00
German	21	52	60	8	5 00	4 00	1 50	2 00	1 00
American	26	52	60	8	5 00	4 00	1 50	2 00	1 00
"	27	52	60	8	5 00	4 00	1 50	2 00	1 00
"	23	51	60	1	5 00	4 00	1 50	2 00	1 00
"	43	52	60	1	5 00	4 00	1 50	2 00	1 00
German	38	52	60	1	5 00	4 00	1 50	2 00	1 00
American	20	10	60	1	5 00	4 00	1 50	2 00	1 00
"	26	52	60	1	5 00	4 00	1 50	2 00	1 00
"	21	51	60	1	5 00	4 00	1 50	2 00	1 00
"	20	52	60	1	5 00	4 00	1 50	2 00	1 00
"	28	52	60	1	5 00	4 00	1 50	2 00	1 00
"	44	52	60	1	5 00	4 00	1 50	2 00	1 00
"	24	49	60	3	5 50	4 00	1 50	2 00	1 00
"	*17	30	60	3	5 00	4 00	1 50	2 00	1 00
"	33	44	60	8	5 00	4 00	1 50	2 00	1 00
"	44	8	60	8	5 00	4 00	1 50	2 00	1 00
"	28	52	60	8	5 00	4 00	1 50	2 00	1 00
"	25	52	60	8	5 00	4 00	1 50	2 00	1 00
"	20	52	60	8	5 00	4 00	1 50	2 00	1 00
"	32	52	60	8	5 00	4 00	1 50	2 00	1 00
"	23	52	60	8	5 00	4 00	1 50	2 00	1 00
"	*17	26	60	8	5 00	4 00	1 50	2 00	1 00
"	26	52	60	8	5 00	4 00	1 50	2 00	1 00
"	40	44	60	8	5 00	4 00	1 50	2 00	1 00
"	16	48	60	8	5 00	4 00	1 50	2 00	1 00
"	18	44	60	8	5 00	4 00	1 50	2 00	1 00
"	12	52	60	8	5 00	4 00	1 50	2 00	1 00
"	23	52	60	8	5 00	4 00	1 50	2 00	1 00
"	19	52	60	8	5 00	4 00	1 50	2 00	1 00
"	17	52	60	8	5 00	4 00	1 50	2 00	1 00
"	19	52	60	8	5 00	4 00	1 50	2 00	1 00
"	17	36	60	2	5 00	4 00	1 50	2 00	1 00
"	18	36	60	2	5 00	4 00	1 50	2 00	1 00

TABLE III — WORKING WOMEN — DAYTON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clothing — men's	American	39	26	26	57				\$5 1 25			\$4 00			\$1 00	1	.....
"	"	17	26	22	57			4	3 03							1	.....
"	"	36	16	57	57				5 50								.....
"	"	20	44	8	57	8			5 50								.....
"	"	22	44	8	57				5 50								.....
"	"	17	26	26	57				4 50			3 00				1	.....
"	"	19	26	26	57				1 03			3 00		2 00			.....
"	"	23	50	.....	57			2	7 03			3 00		1 50			.....
"	"	22	36	10	57			6	3 50			2 00		1 00			.....
"	"	16	26	24	57				4 50			3 00		1 00			.....
"	"	22	26	26	57				5 00			3 00		1 00			.....
"	"	20	52	.....	57				6 00			2 50		1 50			.....
"	"	19	52	.....	57				6 57			3 00		1 00			.....
"	"	21	46	.....	57				6 00			3 00		1 00			.....
"	German	21	49	.....	57				6 00			3 00		1 00			.....
"	American	18	52	.....	57				5 00			3 00		1 00			.....
"	"	23	12	40	57				6 00			3 00		1 50			.....
"	"	18	51	.....	57				4 03			3 00		1 50			.....
"	"	19	16	36	57				4 03			3 00		1 50			.....
"	"	35	52	.....	48				8 03			3 00		1 50			.....
"	"	31	52	.....	48				8 00			3 00		1 50			.....
"	"	34	52	.....	48				7 50			3 00		1 50			.....
"	English	58	52	.....	48				4 00			4 00		1 00			.....
"	American	26	52	.....	48				6 03			3 00		1 00			.....
"	"	38	52	.....	48				6 03			3 00		1 00			.....
"	So. American.	58	52	.....	48				6 50			4 00		2 50			.....
"	American	25	52	.....	48				6 50			4 00		2 50			.....
Totals and averages..	.....	26	41.8	6.4	59	.7	.....	.2	\$5 33	.....	.....	\$2 71	\$0 02	\$1 07	\$1 55	24	\$0 13

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE II:—WORKING WOMEN—DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Coffee, baking powder and spices.....	American	33	48	.....	57	4	.....	.....	\$6 00	.....	.....	\$2 50	.....	\$5 50	\$2 00	.....
"	"	36	52	.....	57	.....	.....	.....	6 00	.....	.....	2 50	.....	1 50	1 00	.....
"	"	19	44	.....	57	8	.....	.....	6 00	.....	.....	2 25	.....	1 25	1 50	.....
"	"	29	52	.....	57	.....	.....	.....	6 00	.....	.....	2 50	.....	1 50	2 00	.....
"	"	33	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	38	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	27	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	19	8	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	38	8	44	57	.....	.....	.....	5 00	.....	.....	2 00	.....	1 50	1 50	.....
"	"	41	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	35	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	19	12	32	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	28	8	44	57	.....	.....	8	9 50	.....	.....	2 00	.....	1 50	1 50	.....
"	"	16	10	.....	57	.....	.....	.....	3 50	.....	.....	5 25	.....	1 75	1 00	.....
"	"	20	12	34	57	.....	.....	6	.....	.....	.....	2 00	.....	1 00	2 00	.....
"	"	16	8	.....	57	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....
"	"	23	6	46	57	.....	.....	.....	6 00	.....	.....	2 00	.....	1 50	2 50	.....
"	"	32	48	.....	57	.....	.....	.....	6 00	.....	.....	2 50	.....	1 50	2 00	.....
"	"	18	52	.....	60	.....	.....	4	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	37	8	44	60	.....	.....	.....	4 80	.....	.....	2 00	.....	1 00	1 80	.....
"	"	20	4	48	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....
"	Irish	23	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	American	20	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	19	48	.....	60	4	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	.....	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	22	48	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....
"	"	20	48	.....	60	3	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....
"	"	23	52	.....	60	.....	.....	.....	4 80	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	.....	60	.....	.....	.....	4 00	.....	.....	4 00	.....	1 00	1 00	.....
"	"	24	49	.....	48	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....
"	"	24	40	.....	48	3	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	18	36	16	48	.....	.....	.....	6 00	.....	.....	2 50	.....	1 50	1 00	.....
"	"	21	26	26	48	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....
"	"	17	16	32	48	4	.....	.....	6 00	.....	.....	2 50	.....	1 50	2 00	.....

TABLE II:—WORKING WOMEN—DAYTON—Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Coffee, baking powder and spices.....	American	28	36	16	48	48	.....	.....	\$4 50	.....	.....	3 00	.....	.....	1 50	.....	†
"	"	30	46	.....	48	48	.....	6	4 50	.....	.....	.....	.....	.....	.....	.....	†
"	"	*17	20	.....	48	48	.....	.....	4 50	.....	.....	1 00	.....	1 00	2 00	.....	†
"	"	18	40	12	48	48	.....	12	4 00	.....	.....	.....	.....	.....	.....	.....	†
"	"	15	40	.....	48	48	.....	.....	4 00	.....	.....	2 00	.....	1 00	1 50	.....	†
"	"	24	44	.....	48	48	.....	4	4 50	.....	.....	.....	.....	.....	.....	.....	†
"	"	27	43	.....	48	48	.....	.....	4 50	.....	.....	2 00	.....	1 00	1 00	.....	†
"	"	18	36	10	48	48	9	.....	4 50	.....	.....	2 00	.....	1 00	1 00	.....	†
"	"	18	36	14	48	48	.....	.....	5 50	.....	.....	2 00	.....	1 00	1 00	.....	1 00
"	"	*17	26	.....	48	48	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	†
"	"	17	52	.....	48	48	.....	.....	5 00	.....	.....	2 50	.....	.....	2 00	.....	†
"	"	18	52	.....	48	48	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	†
"	"	17	52	.....	48	48	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	†
"	"	22	50	.....	48	48	2	.....	4 00	.....	.....	.....	.....	.....	.....	.....	†
"	"	19	48	.....	48	48	.....	4	4 00	.....	.....	.....	.....	.....	.....	.....	†
"	"	21	48	.....	48	48	.....	4	4 00	.....	.....	.....	.....	.....	.....	.....	†
"	"	23	52	.....	48	48	.....	.....	4 50	.....	.....	2 50	.....	1 00	1 00	.....	†
"	"	24	43	.....	48	48	5	4	5 00	.....	.....	3 00	.....	1 00	1 00	.....	†
"	"	18	52	.....	48	48	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	†
Totals and averages..	.....	23	38.3	9	53.3	.9	.....	1	\$5 24	.....	.....	\$2 48	.....	\$1 17	\$1 50	6	\$0 15

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE II.—WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Confectionery	American	16	20	26	60	1	6	6	\$3 50								
"	"	18	33	15	60				4 00								
"	"	17	40	12	60				4 00								
"	"	16	20	32	60				3 50								
"	"	20	52		60				4 00			\$2 00		\$1 00	\$1 00		
"	"	21	52		60				4 00			2 00		1 00	1 00		
"	"	23	52		60				4 00								
"	"	18	56	12	60		4		3 00								
Totals and averages..		19	38.5	12.1	60	.1	1.2		\$3 75			\$2 00		\$1 00	\$1 00		

† Gave earnings to parents.

TABLE IIk — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Drugs and chemicals...	American	23	15	...	60	1	...	...	\$4 00	...	...	\$2 00	...	\$1 00	\$1 00	...	...
"	"	20	50	...	60	2	...	...	4 00	...	...	1 50	...	1 50	1 00	...	...
"	"	20	51	...	60	1	...	...	3 00	...	...	1 00	...	1 00	1 00	...	...
"	"	19	52	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	21	48	...	60	4	...	...	4 00	...	...	1 50	...	1 00	1 50	...	...
"	"	17	52	...	60	...	...	...	3 00	...	...	...	...	...	50	...	...
"	"	22	50	...	60	2	...	...	3 00	...	...	2 00	...	1 00	1 00	...	...
"	"	*25	4	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	31	40	...	60	12	...	...	4 00	...	...	1 50	...	1 00	1 50	...	...
Totals and averages..	.....	22	44.2	...	60	2.4	...	...	\$3 53	...	...	\$1 57	...	\$1 07	\$0 94	...	...

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE III.—WORKING WOMEN—DAYTON.

[illegible]

Laundries	American	1922	52	54	4.50	2.00	1.50	1.00	1.25	1.00	1.00
"	"	39	26	26	5.00	3.00	1.50	1.00	1.50	1.00	1.00
"	"	39	26	26	7.00	3.00	1.50	2.00			1.00
"	"	34	52	26	6.50	3.00	1.50	2.00			1.00
"	"	16	6	6	4.00	4.00		2.50			1.00
"	"	13	52	54	6.50			2.50			1.00
"	"	30	52	54	7.00	3.00	1.50	1.50			1.00
"	"	30	52	54	6.00	3.00	1.50	1.50			1.00
"	"	19	30	22	5.00	2.50	1.00	1.50			1.00
"	"	17	52	54	4.00						1.00
"	"	27	52	54	6.00						1.00
"	"	26	12	54	5.50						1.00
"	"	20	4	54	5.00						1.00
"	"	42	2	50	5.00						1.00
"	"	16	30	21	5.50	3.50	2.00	1.50			1.00
"	"	20	50	54	6.00	3.00	1.50	1.50			1.00
"	"	23	52	54	5.50	3.00	1.50	1.50			1.00
"	"	18	52	54	5.00	2.50	1.00	1.50			1.00
"	"	17	52	54	4.50	2.50	1.50	1.00			1.00
"	"	20	52	54	5.00	2.50	1.50	1.00			1.00
"	"	33	50	54	6.00						1.00
"	"	18	52	54	4.50						1.00
"	"	20	48	54	5.00						1.00
"	"	30	50	54	5.50	3.00	1.50	1.00			1.00
"	"	25	52	54	6.00	3.00	1.00	1.00			1.00
"	"	*16	36	54	4.00						1.00
"	"	17	52	54	4.50	4.00	1.00	1.00			1.00
"	"	40	50	54	9.00						1.00
"	"	22	52	54	5.00						1.00
"	"	26	52	54	5.50						1.00
"	"	19	48	54	5.00						1.00
"	"	17	52	54	4.50	2.50	2.50	2.50			1.00
"	"	20	52	54	6.00						1.00
"	"	23	44	8	6.00						1.00
"	German	21	52	54	5.50	2.50	1.00	1.00			1.00
"	American	26	51	54	5.00	2.50	1.50	1.00			1.00
"	"	30	52	54	5.00	2.50	1.50	1.00			1.00
"	"	35	52	54	5.00						1.00
"	German	21	26	60	7.00	2.00	2.00	1.50			1.50
"	"	18	30	22	4.50	2.50	1.50	1.00			1.50
"	American	20	48	60	3.50	1.00	1.00	1.00			50
"	"	20	48	60	4						1.00
"	"	18	52	60	3.50	2.00	1.50	1.50			1.00
"	"	18	50	60	4.00						1.00
"	"	48	52	60	7.00	2.50	1.00	1.50			1.00
"	Irish	*16	2	60	3.50	2.00	1.50	1.50			1.00
"	American	*20	20	60	4.50	1.25	2.00	1.50			1.00
"	"	20	12	40	5.00	2.00	1.50	1.50			1.00
"	"	25	52	60	5.00						1.00

TABLE III — WORKING WOMEN — DAYTON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Laundries	American	45	51	.....	60	1	.....	.....	6 50	.....	.....	1 50	1 50	1 50	2 50	.....	1 00
"	"	26	52	.....	60	.....	.....	.....	5 00	.....	.....	1 50	1 50	1 50	1 00	.....	1 00
"	"	18	50	.....	60	2	.....	.....	4 00	.....	.....	2 00	1 25	1 00	2 00	.....	.....
"	"	33	51	.....	60	1	.....	.....	5 00	.....	.....	.....	1 25	1 00	2 75	.....	.....
"	"	17	52	.....	60	.....	.....	.....	5 00	.....	.....	.....	1 50	1 00	4 00	.....	.....
"	"	37	52	.....	60	.....	.....	.....	5 00	.....	1 50	2 00	1 50	1 00	2 50	.....	.....
"	"	27	26	26	60	.....	.....	.....	7 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	37	52	.....	60	.....	.....	.....	6 00	.....	.....	3 00	.....	1 50	50	.....	1 00
"	"	42	52	.....	60	.....	.....	.....	6 00	.....	.....	3 25	.....	1 00	1 75	.....	.....
"	"	28	49	.....	60	3	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	1	51	60	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	24	37.8	10.3	56.5	.7	.....	.4	\$5 21	.....	\$0 01	\$2 48	\$0 07	\$1 09	\$1 54	64	\$0 09

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE III — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.					Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Liquors — distilled	American	24	52	.....	54	.....	.....	\$6 00	.....	.....	\$3 50	.....	\$1 50	\$1 00	.....	.....
"	"	27	52	.....	54	.....	.....	5 00	.....	.....	3 00	.....	.....	2 00	.....	.....
"	"	36	52	.....	54	.....	.....	5 00	.....	.....	3 00	.....	.....	1 00	.....	.....
"	"	23	52	.....	54	.....	.....	5 00	.....	.....	3 50	.....	1 50	2 00	.....	.....
"	"	25	52	.....	54	.....	.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	.....	54	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	52	.....	54	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	25	52	.....	54	.....	.....	5 00	.....	.....	3 00	.....	1 00	1 00	.....	.....
Totals and averages.	.....	25	52	.....	54	.....	.....	\$5 62	.....	.....	\$3 20	.....	\$1 00	\$1 40	.....	.....

† Gave earnings to parents.

TABLE II_n — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Mittens and gloves.....	American	22	52	.....	60	.....	.....	\$7 00	.....	.....	\$3 50	.....	\$1 50	\$1 00	.....	.....	.....
"	"	20	52	.....	60	.....	.....	6 00	.....	.....	3 50	.....	1 50	2 00	.....	.....	.....
"	"	29	52	.....	60	.....	.....	8 00	.....	.....	3 50	.....	1 50	1 50	.....	.....	.....
"	"	25	8	44	60	.....	.....	7 00	.....	.....	4 00	.....	1 50	1 50	.....	.....	.....
"	"	22	36	10	60	.....	.....	7 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	Russian	24	52	.....	60	.....	.....	4 00	.....	.....	2 00	.....	1 00	1 00	.....	1	.....
"	American	17	50	.....	60	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	24	52	.....	60	.....	.....	7 00	.....	.....	3 00	.....	1 50	1 50	.....	.....	.....
"	"	20	46	.....	60	.....	6	.....	.....	.....	3 00	.....	1 50	1 50	.....	.....	.....
"	"	17	50	.....	60	.....	.....	4 00	.....	.....	3 00	.....	1 50	1 00	.....	.....	.....
"	"	19	52	.....	60	.....	.....	6 00	.....	.....	2 00	.....	1 50	2 00	.....	.....	.....
"	"	25	52	.....	60	.....	.....	7 00	.....	.....	2 00	.....	1 50	2 50	.....	.....	.....
"	"	19	49	.....	60	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	22	46.3	4.2	60	.86	\$6 42	\$2 94	\$1 28	\$1 56	1	\$0 38

† Gave earnings to parents.

TABLE IIo — WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Paints & painters' sup's.	American	24	52	52	57	57	57	57	\$4.50	.....	.....	\$2.00	.....	\$1.00	\$1.00	.....
"	"	17	52	52	57	57	57	57	4.00	.....	.....	2.00	.....	1.50	50	.....
"	"	21	12	40	57	57	57	57	4.00	.....	.....	2.00	.....	1.00	1.00	.....
"	"	22	3	48	57	57	57	57	4.00	.....	.....	2.00	.....	1.00	1.00	.....
"	"	24	4	48	57	57	57	57	4.00	.....	.....	2.00	.....	1.00	1.00	.....
"	"	23	52	52	57	57	57	57	5.50	.....	.....	2.00	.....	1.00	1.00	.....
"	"	22	52	52	57	57	57	57	6.00	.....	.....	3.00	.....	1.00	2.00	.....
"	"	16	44	.....	57	57	57	57	4.00	.....	.....	2.50	.....	1.00	1.00	.....
"	"	30	48	.....	57	57	57	57	4.50	.....	.....	2.00	.....	1.00	1.00	.....
"	"	22	52	4	57	57	57	57	4.00	.....	.....	2.50	.....	1.00	1.00	.....
"	"	*22	52	.....	57	57	57	57	4.53	.....	.....	2.00	.....	1.00	1.00	.....
"	"	23	52	.....	57	57	57	57	4.00	.....	.....	2.00	.....	1.00	1.00	.....
"	"	*20	4	.....	57	57	57	57	4.06	.....	.....	2.00	.....	1.00	1.00	.....
"	"	16	8	44	57	57	57	57	4.00	.....	.....	2.50	.....	2.00	1.50	.....
"	"	21	52	.....	57	57	57	57	7.00	.....	.....	2.50	.....	2.00	1.50	.....
Totals and averages..	.....	21	32.7	12	57	.....	.....	.....	\$4.53	.....	.....	\$2.25	.....	\$1.10	\$1.05	.....
						.3										\$0.23

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE II.—WORKING WOMEN — DAYTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income of other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Sewing machines.....	American	27	52	...	60	...	...	...	\$10 00	...	...	\$3 50	...	\$2 00	\$1 00	...	\$1 00
"	"	23	52	...	60	...	...	...	7 50	...	...	...	...	...	...	...	†
"	English	32	52	...	60	...	...	...	10 00	...	...	3 00	...	1 00	2 00	...	†
"	American	24	36	8	60	4	...	8	6 00	...	...	...	...	...	...	...	†
"	"	20	48	...	60	...	...	...	6 00	...	...	4 00	...	...	2 00	...	†
"	"	31	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...	†
"	"	24	52	...	60	...	...	...	6 00	...	...	3 00	...	1 50	1 50	...	†
"	"	19	50	...	60	2	...	...	6 00	...	...	...	...	...	...	...	†
"	"	42	52	...	60	...	...	...	6 00	...	...	6 00	...	2 00	1 00	...	1 00
"	"	35	52	...	60	...	...	...	10 00	...	...	...	...	...	...	...	†
Totals and averages..	.....	27	49.8	.8	60	.6	.....	.8	\$7 35	.....	.....	\$3 90	.....	\$1 30	\$1 50	.....	\$0 20

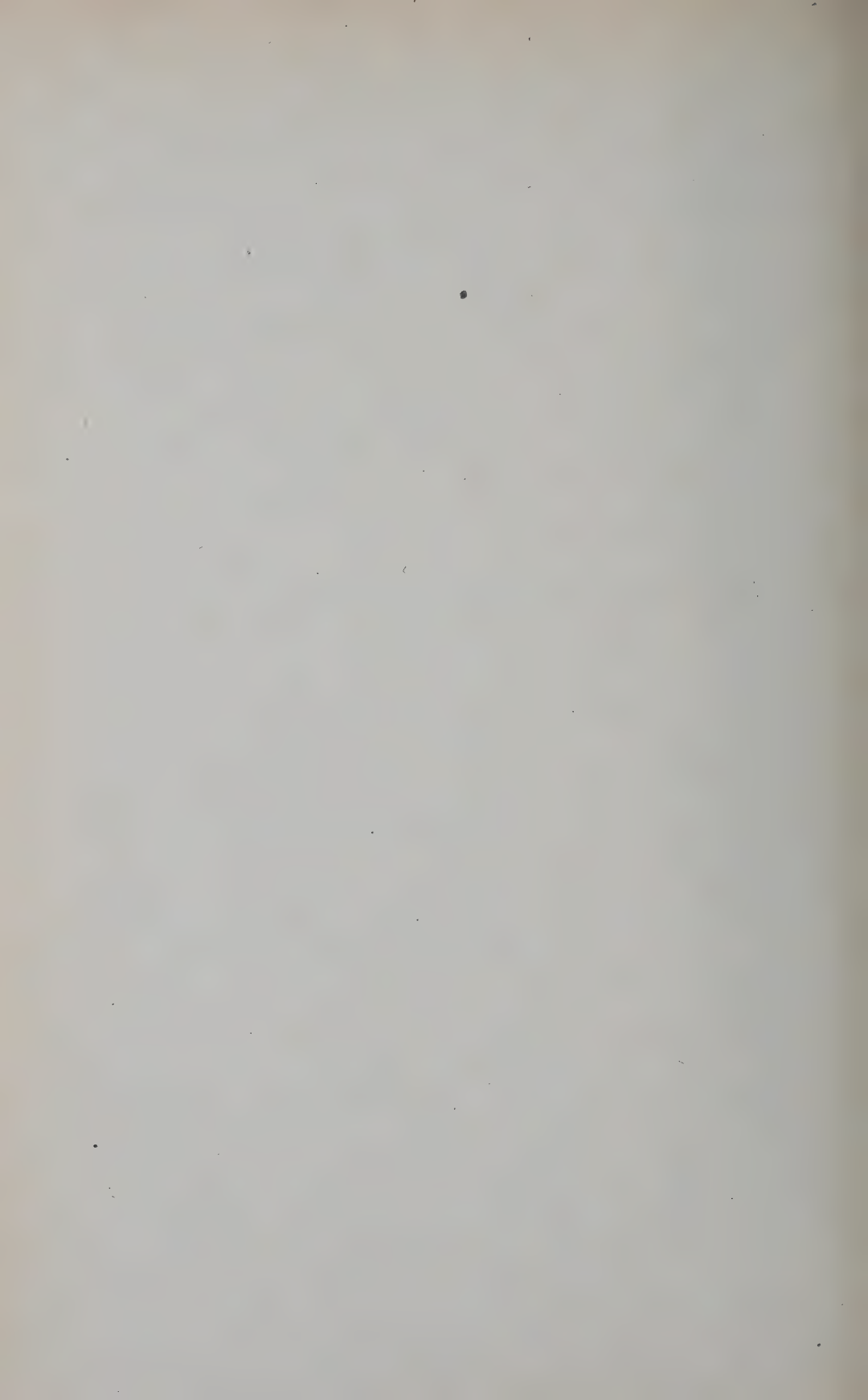
† Gave earnings to parents.

TABLE IIc — WORKING WOMEN — DAYTON.

Occupation.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Throug sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Umbrellas and parasols..	35	52	...	60	...	...	...	\$5.00	...	...	\$2.00	...	\$1.50	\$1.50	...	†
"	24	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	†
"	34	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	\$1.00
"	23	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	†
"	26	62	...	60	...	...	...	5.50	...	...	...	...	...	...	...	†
"	27	52	...	60	...	...	...	4.00	...	...	...	...	...	...	...	†
"	40	52	...	60	...	...	...	4.50	...	...	...	1.00	1.00	2.00	...	†
"	30	48	...	60	...	...	4	5.00	...	...	...	...	...	...	...	†
"	25	52	...	60	...	...	...	5.00	...	...	3.00	...	1.00	1.00	...	†
"	19	52	...	60	...	...	...	5.00	...	...	...	...	...	...	...	†
"	23	46	...	60	...	...	6	5.00	...	...	2.00	...	1.00	1.00	...	1.00
"	18	46	...	60	...	...	...	5.00	...	...	2.50	...	1.50	1.00	...	1.00
"	21	52	...	60	...	...	...	5.00	...	...	2.00	...	1.00	2.00	...	†
"	33	52	...	60	...	...	...	4.50	...	...	...	...	...	...	...	†
"	40	52	...	60	...	...	...	6.00	...	...	...	...	...	...	...	†
"	22	48	...	60	4	...	...	6.00	...	...	3.00	...	1.50	1.50	...	†
"	28	52	...	60	...	...	...	6.00	...	...	3.25	...	1.50	1.25	...	1.00
"	29	25	...	60	...	...	...	6.00	...	...	3.00	...	1.00	1.00	...	1.00
"	25	52	...	60	26	...	...	5.50	...	...	4.00	...	2.00	2.00	...	1.00
"	31	52	...	60	...	...	...	4.50	...	...	2.00	...	1.50	1.00	...	1.00
"	28	52	...	60	...	...	...	4.50	...	...	2.00	...	1.00	1.00	...	50
"	27	52	...	60	...	...	...	6.50	...	...	3.00	...	1.50	1.00	...	...
"	25	44	...	60	4	...	4	6.50	...	...	4.00	...	1.50	1.00	...	†
"	25	52	...	60	...	...	...	4.00	...	...	...	...	...	...	...	...
"	21	16	36	60	...	...	...	4.00	...	...	2.00	...	1.00	2.00	...	...
"	24	52	...	60	...	...	...	5.00	...	...	2.00	...	1.50	1.00	...	...
"	25	48	...	60	4	...	...	4.50	...	...	2.00	...	1.50	1.00	...	...
Totals and averages..	27	48.6	1.3	60	3	...	.7	\$5.39	...	...	\$2.46	\$0.05	\$1.24	\$1.33	6	\$0.25

* Began work during year covered by investigation.

† Gave earnings to parents.



HAMILTON.

CANS AND TIN BUCKETS.

This work is certainly not for girls. It consists in the making of fruit cans, baking powder cans and lard buckets. The machines are operated by girls, and are heavy and dangerous to operate.

In this place, the girls employed are young. The law regarding child labor has not heretofore been very strictly enforced, as some of the youngest told me they had been working in this place three and four years.

The sanitary conditions are good, but the stairways are not as wide as they should be in case of emergencies. As far as I could ascertain, the buildings have no fire escapes.

CLOTHING — MEN'S.

There is only one factory of this kind in this city. The work room is on the second floor, and is small for the number of girls employed, the aisles between the machines being narrow.

The proprietors were very kind, and instructed the forewoman to give me all the assistance possible.

The sanitary conditions are good. The proprietor told me that he had the place thoroughly cleaned and whitewashed at different intervals during the year, which is far from being the rule in the majority of places I have visited during my canvassing.

KNIT GOODS.

One of the mills visited is situated in an out-of-the-way place, and the building is a very old one story frame. It seems almost inaccessible in bad weather, as it is situated on the canal bank away from the main road.

The other mill visited is a new building, and is light and well ventilated. The sanitary conditions are good. The work rooms are situated on the first and second floors.

The girls operate knitting machines, and also ordinary sewing machines. There are also hand workers.

Knitted underclothing is made in these mills.

LAUNDRIES.

In this city the number of females employed in the laundries is small, — males being employed to do the heaviest part of the work.

One of the establishments visited was rather poorly situated, the stairway to the second floor being very narrow and steep. The general conditions existing in this trade are poor.

MATTRESSES AND BEDDING.

In this establishment the girls are employed in operating sewing machines, and also in making mattresses. The work rooms are fairly well situated, and the general conditions are fair.

The girls are apparently well satisfied with their conditions.

PAPER.

The most unpleasant feature of this work is the sorting of the rags, — the first step in the manufacture of paper. It is necessarily dirty work, but the rooms are supplied with fans or ventilators, which keep the dust from accumulating in too large a quantity.

The other departments are clean and airy. The girls in these are employed in operating cutting machines, and also in sorting and counting the paper. The work rooms are well situated and roomy. In one mill, I had occasion to remark the narrow stairways, whereupon they pointed out a very well situated fire-escape.

PRINTING AND BINDING.

The establishments visited are fairly well situated. The place employing the largest number of females is connected with one of the newspapers. The girls are employed in folding and binding, operating or feeding large and small presses, and also in setting type. In this occupation, some of the girls do not earn enough to pay their board, while others try housekeeping on a very cheap plan to try and live on the wages they earn.

The stairways are narrow, and by no means sufficient for the safety of the girls working on the upper floor. The sanitary conditions are fair. Complaints from the girls on account of the wages paid were heard on all sides.

WOOLEN GOODS.

This mill is situated on the outskirts of the city. There are no buildings surrounding it, therefore it is light and well ventilated.

The girls operating the looms must of necessity stand at their work. But the girls employed in filling the spools for the shuttles, and those who straighten the loose threads after the cloth is taken from the looms are provided with seats.

The sanitary conditions are excellent, and the work rooms are on the first and second floors. The girls appear happy and contented.

TABLE III — WORKING WOMEN — HAMILTON.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings	
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.			
Cans and tin buckets.....	89	18	40.3	7.8	60	.4	.....	.7	\$4 00	.....	.....	\$2 40	.....	\$0 96	\$0 93	7	.....	\$0 06
Clothing—men's	89	22	37.7	8.3	60	1	.....	.3	4 21	.....	.....	2 13	03	76	80	6	.....	01
Knit goods	78	18	37.6	10.3	63	.4	.....	.4	3 60	.....	.....	2 31	.....	90	90	1	.....	06
Laundries	17	21	35.8	13	60	.6	.....	.2	4 52	.....	.....	3 07	.....	1 07	1 07	1	.....	16
Mattresses and bedding.....	19	22	47.7	.....	60	1.3	.....	1.1	5 26	.....	.....	2 81	.....	1 25	1 19	.....	.....	03
Paper	87	22	43.2	5	59.4	1	.....	.6	4 34	.....	.....	2 66	.....	86	1 11	28	.....	04
Printing and binding.....	101	20	32.4	12	60	1	.....	.6	3 37	.....	.....	2 18	.....	77	1 04	2	.....	17
Woolen goods	48	25	36.3	9.9	60	.8	.....	.1	5 48	.....	\$0 21	2 60	40	1 10	2 00	27	.....	\$0 05
Totals and averages.....	528	21	38.3	8.7	60.3	.8	.....	.5	\$4 11	.....	.....	\$2 40	.....	\$0 89	\$1 07	72	.....	\$0 05

TABLE IV—HAMILTON.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

Cans and tin buckets....	18	52	60	1	...	4 20	2 05	1 00	70	+
"	17	51	60	1	...	4 20	...	...	...	+
"	19	52	60	...	...	4 20	...	...	...	+
"	16	52	60	...	...	4 20	...	...	...	+
"	21	52	60	...	...	4 20	2 00	1 00	1 20	+
"	17	16 35	60	...	...	4 50	2 00	1 00	50	+
"	19	52	60	...	...	4 50	3 00	1 00	1 00	+
"	19	52	60	...	...	4 50	2 50	1 00	...	+
"	19	52	60	...	...	4 50	2 50	1 00	1 00	+
"	20	52	60	...	...	4 50	...	...	...	+
"	19	52	60	...	...	4 50	...	...	...	+
"	*15 40	60	60	...	...	3 00	...	...	...	+
"	*14 12	60	60	...	...	3 00	...	...	...	+
"	15 26 36	60	60	...	...	3 00	2 00	1 00	60	+
"	15 16 36	60	60	...	...	3 30	...	...	...	+
"	18 43	60	60	9	...	4 50	2 00	1 00	1 20	+
"	18 44	60	60	...	8	5 00	2 00	1 00	2 00	+
"	21 52	60	60	...	...	5 00	2 00	1 00	1 00	+
"	19 52	60	60	...	...	5 00	2 50	1 00	1 50	+
"	19 52	60	60	...	...	3 00	2 00	1 00	1 50	+
"	17 8	44	60	...	...	3 00	...	...	...	+
"	23 4	43	60	...	...	3 50	2 00	1 00	1 50	+
"	16 52	60	60	...	...	3 00	...	...	...	+
"	16 52	60	60	...	...	3 00	2 00	1 20	1 00	+
"	19 41	47	60	11	...	4 20	...	...	...	+
"	24 5	60	60	...	26	5 00	2 00	1 00	2 00	+
"	17 26	60	60	2	...	5 00	...	...	...	+
"	19 50	60	60	...	...	5 00	2 50	1 00	1 50	+
German	22 48	60	60	4	...	5 00	3 50	1 50	...	+
American	27 52	60	60	...	...	5 00	3 00	1 00	1 00	+
"	22 52	60	60	...	...	5 00	...	...	...	+
"	22 52	60	60	...	...	5 00	...	...	...	+
"	19 51	60	60	...	...	4 20	...	...	...	+
German	19 5	47	60	...	...	4 20	...	...	...	+
American	18 16 36	60	60	...	2	5 00	2 50	1 00	1 50	+
"	19 50	60	60	...	...	5 00	2 50	1 00	1 50	+
"	22 52	60	60	...	...	5 00	2 00	1 00	2 00	+
"	19 52	60	60	...	...	5 00	2 00	1 50	1 50	+
"	20 52	60	60	...	...	3 00	...	...	...	+
"	*17 4	60	60	2	...	3 00	3 00	1 00	1 00	+
"	15 50	60	60	...	...	3 00	...	...	...	+
German	20 52	60	60	...	...	5 00	3 00	1 00	1 00	+
American	37 52	60	60	...	...	3 00	...	...	...	+
"	15 52	60	60	...	...	5 00	...	...	...	+
"	28 52	60	60	...	...	4 20	...	...	...	+
"	19 52	60	60	...	...	3 00	2 00	1 00	1 20	+
"	16 52	60	60	...	...	4 20	2 00	1 00	...	+
"	16 52	60	60	...	...	3 60	...	...	...	+
"	19 52	60	60	...	...	4 20	...	...	...	+
German	16 52	60	60	...	...	3 30	...	...	...	+
American	17 4	48	60	...	...	4 20	...	...	...	+
"	17 4	48	60	...	...	4 20	...	...	...	+

TABLE IVa — WORKING WOMEN — HAMILTON — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Cans and tin buckets.....	American	52	.....	60	.....	.....	.....	4 20	.....	.....	3 00	.....	1 20	.....	.....	†
"	"	52	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
"	"	52	.....	60	.....	.....	.....	4 20	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	153	40.3	7.8	60	.4	.7	\$1 00	.....	.....	\$2 40	.....	\$0 96	\$0 98	7	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVb — WORKING WOMEN — HAMILTON.

[illegible]

TABLE IVb — WORKING WOMEN — HAMILTON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Clothing — men's	German	21	52	..	60	..	..	..	\$4.50	..	..	\$2.50	..	\$1.00	\$1.00	..
"	American	20	51	..	60	..	..	..	3.50	..	..	2.50	..	1.00	..	..
"	"	25	50	..	60	..	..	..	4.25	..	..	2.50	..	1.00	75	..
"	German	22	52	..	60	..	2	..	4.00	..	..	..	..	..	..	..
"	American	22	52	..	60	..	..	..	5.00	..	..	..	..	..	..	..
"	"	17	3	49	60	..	..	..	2.75	..	..	..	..	..	..	..
"	"	*17	2	..	60	..	..	..	8.00	..	..	..	..	..	..	..
"	"	25	52	..	60	..	..	..	6.00	..	..	..	..	..	..	..
"	"	30	16	36	60	..	..	..	3.50	..	..	3.00	..	1.00	2.00	..
"	"	35	12	40	60	..	..	..	5.00	..	..	..	..	..	..	..
"	"	21	12	40	60	..	..	..	3.50	..	..	..	..	..	..	..
"	"	23	40	8	60	..	..	..	4.50	..	..	..	..	..	..	..
"	"	23	40	..	60	4	..	..	5.00	..	..	..	1.50	1.00	2.50	..
"	"	17	52	..	60	4	..	..	4.00	..	..	..	..	..	..	..
"	"	23	8	41	60	..	..	..	4.00	..	..	..	..	..	..	..
"	"	19	52	..	60	..	..	..	4.50	..	..	3.00	..	1.00	1.00	..
"	"	20	52	..	60	..	..	..	5.00	..	..	..	..	..	..	..
"	"	19	52	..	60	..	..	..	3.50	..	..	..	..	..	..	..
"	"	18	12	..	60	..	..	..	3.50	..	..	..	..	..	..	..
"	"	*18	..	..	60	..	..	..	3.75	..	..	3.00	..	75	..	..
"	"	21	52	..	60	1	..	..	3.50	..	..	..	..	..	..	..
"	"	20	51	..	60	1	..	..	3.75	..	..	..	..	..	..	..
"	"	18	51	..	60	..	..	..	4.00	..	..	2.50	..	1.00	50	..
"	"	16	52	..	60	..	..	..	3.75	..	..	..	..	..	..	..
"	"	19	52	..	60	..	..	..	4.50	..	..	2.00	..	1.00	1.50	..
"	"	16	30	22	60	..	..	..	3.50	..	..	..	..	..	..	..
"	"	21	52	..	60	..	..	..	3.50	..	..	..	..	..	..	..
"	"	17	52	..	60	..	..	..	4.00	..	..	2.50	..	1.00	50	..
"	"	18	52	..	60	..	..	..	4.00	..	..	..	..	..	..	..
"	"	21	52	..	60	..	..	..	3.75	..	..	..	..	..	..	..
"	"	22	52	..	60	..	..	..	8.75	..	..	..	..	..	..	..
"	"	58	..	..	60	..	..	..	1.50	..	..	3.50	..	1.00	1.00	..
"	"	20	2	10	60	..	..	..	5.50	..	..	..	..	..	..	..
"	"	*20	..	..	60	..	..	..	5.00	..	..	..	..	..	..	..
"	"	19	52	..	60	..	..	..	5.00	..	..	..	..	..	..	..
"	"	18	52	..	60	..	..	..	5.00	..	..	..	..	..	..	..

TABLE IVd — WORKING WOMEN — HAMILTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.	
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.			
Laundries	American	35	4	48	60				\$4.00									
"	"	15	20	32	60				2.50			\$3.00		\$1.00	\$1.00			
"	"	21	16	36	60				5.00									
"	"	17	4	48	60				3.50			4.00		1.00	1.00			
"	"	22	49		60	3			6.00									
"	"	15	52		60				3.75									
"	"	15	50		60				3.75									
"	"	25	52		60	1		1	6.50			3.50		1.00	1.00			
"	Irish	25	2	50	60				5.80								1	
"	American	19	44	8	60				4.50			2.50		1.50	1.00			
"	"	23	52		60				5.00			3.00		1.00	1.00			
"	"	22	52		60				5.00									
"	"	17	48		60	4			3.50			3.00		1.00	2.00			
"	"	24	50		60	2			6.00			2.50		1.00	50			
"	"	26	52		60				4.00									
"	"	*16	12	60	60				3.00									
"	"	18	50		60			2	5.00									
Totals and averages..		21	35.8	13	60	.6		.2	\$4.52			\$3.07		\$1.07	\$1.07		1	\$0.06

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVc — WORKING WOMEN — HAMILTON.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occu- pations.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Mattresses and bedding.	American	17	42	60	10			\$5.00			\$2.50		\$1.50	\$1.00	.....	.....
"	"	*34	16	60				5.00							.....	.....
"	"	28	52	60				5.00							.....	.....
"	"	18	52	60				5.00							.....	.....
"	"	17	52	60				5.00			3.00		1.00	1.00	.....	.....
"	"	28	52	60				5.00			2.00		1.00	2.00	.....	.....
"	"	19	52	60				5.00							.....	.....
"	"	19	52	60				4.00			3.00		1.50	1.50	.....	\$1.00
"	"	29	35	60			17	7.00							.....	.....
"	"	18	52	60				5.00							.....	.....
"	"	19	52	60				5.00			3.00		1.00	1.00	.....	.....
"	"	22	50	60			2	5.00			3.00		1.00	1.00	.....	.....
"	"	20	52	60				5.00							.....	.....
"	"	23	48	60	4			5.00							.....	.....
"	"	16	44	60	8			4.00							.....	.....
"	"	23	52	60				7.00			3.00		2.00	1.00	.....	1.00
"	"	25	52	60				6.00			3.00		1.00	1.00	.....	1.00
"	"	19	50	60	2			5.00							.....	.....
"	"	20	50	60			2	7.00							.....	.....
Totals and averages..	.....	22	47.7	60	1.3	.....	1.1	\$3.26	.....	.....	\$2.81	.....	\$1.25	\$1.19	.....	\$0.16

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVf — WORKING WOMEN — HAMILTON.

Occupation.	Age.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Paper	37	American	50	...	60	1	...	2	\$5.00	...	...	\$3.00	...	1.00	1.00	...	...
"	34	"	51	...	60	11	...	...	5.00	...	...	2.50	...	1.00	1.50	3	...
"	33	"	41	...	60	...	...	...	4.75	...	...	...	...	...	...	1	...
"	41	"	52	...	60	...	...	...	4.75	...	...	...	...	...	...	...	...
"	21	"	44	...	60	8	...	...	4.50	...	...	2.00	...	1.50	1.00	...	...
"	17	"	51	...	60	...	...	1	4.70	...	...	2.00	...	1.00	1.00	...	...
"	24	German	49	...	60	3	...	...	4.50	...	...	2.50	...	1.00	1.00	...	...
"	23	American	46	...	60	6	...	...	4.50	...	...	2.50	...	1.00	1.00	...	...
"	25	"	50	...	60	2	...	...	5.00	...	...	...	...	1.00	...	...	...
"	27	"	52	...	60	...	...	...	6.00	...	...	3.00	...	1.00	1.00	1	...
"	19	German	52	...	60	6	...	...	6.00	...	...	...	...	1.00	...	...	...
"	18	American	46	...	60	...	...	...	6.00	...	...	5.00	...	1.00	...	1	...
"	25	"	51	...	60	1	...	...	6.00	...	...	...	...	1.00	...	1	...
"	18	"	52	...	60	...	...	...	6.00	...	...	...	...	1.00	...	...	...
"	39	"	52	...	60	...	...	...	2.50	...	...	1	...	...	...	2	...
"	39	"	...	52	60	...	...	...	4.00	...	...	...	...	...	...	...	...
"	17	"	51	...	60	1	...	...	5.00	...	...	...	...	...	...	...	...
"	36	"	36	...	60	...	...	16	5.00	...	...	2.50	...	1.00	1.00	...	...
"	36	"	36	...	60	...	...	...	6.00	...	...	...	...	...	...	...	...
"	18	"	51	...	60	1	...	...	5.00	...	...	...	...	...	...	1	...
"	16	"	49	...	60	3	...	...	5.00	...	...	...	...	...	...	...	...
"	16	"	52	...	60	...	...	...	4.50	...	...	...	...	...	...	...	...
"	16	"	52	...	60	...	...	...	5.00	...	...	...	...	...	...	4	...
"	16	"	2	50	60	...	...	...	2.50	...	...	...	...	...	...	1	...
"	20	"	36	16	60	...	...	...	8.50	...	...	2.50	...	...	1.00	...	...
"	16	"	52	...	60	...	...	...	3.50	...	...	...	...	...	...	...	...
"	16	"	52	...	60	...	...	...	3.50	...	...	...	...	...	...	2	...
"	16	"	52	...	60	...	...	...	3.50	...	...	...	...	...	...	...	...
"	18	"	51	...	60	1	...	...	6.00	...	...	...	...	...	...	...	...
"	17	German	50	...	60	2	...	...	4.30	...	...	2.00	...	1.00	1.00	...	...
"	26	American	16	36	60	...	...	...	3.00	...	...	...	...	...	...	4	...
"	38	"	52	...	60	...	...	...	3.00	...	...	...	...	...	...	...	...
"	17	"	16	...	60	...	...	...	3.00	...	...	2.50	...	1.00	1.50	...	...
"	52	"	36	16	60	...	...	...	5.00	...	...	...	...	...	...	1	...
"	21	"	52	...	60	...	...	...	3.00	...	...	...	...	...	...	...	...
"	25	"	52	...	60	...	...	...	3.00	...	...	...	...	...	...	...	...
"	18	"	52	...	60	8	...	...	5.00	...	...	3.00	...	1.00	1.00	...	...
"	25	"	44	...	60	...	...	...	5.00	...	...	3.00	...	1.00	1.00	...	...
"	28	"	30	22	60	...	...	...	5.00	...	...	...	...	...	...	...	...
"	25	"	51	...	60	1	...	...	5.00	...	...	3.00	...	1.00	1.00	...	...

TABLE IVg—WORKING WOMEN—HAMILTON.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Printing and binding....	American	21	40	...	60	12	...	...	\$4 50	...	...	\$2 50	...	\$1 50	\$0 50	...	...
"	"	23	52	...	60	...	...	...	3 00	...	...	1 50	...	...	1 50	...	...
"	"	23	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	20	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	21	52	...	60	...	...	...	3 00	...	...	2 00	...	...	1 00	...	...
"	"	*17	2	...	60	...	...	...	3 00	...	...	2 50	...	...	...	...	...
"	"	20	...	52	60	...	...	...	3 50	...	...	2 00	...	...	50	...	...
"	"	18	52	...	60	...	...	...	2 00	...	...	...	...	...	1 00	...	...
"	"	*25	3	...	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	*17	36	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	19	9	50	60	...	...	...	4 00	...	...	3 00	...	...	1 00	...	...
"	"	20	12	40	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	*17	4	...	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	16	50	...	60	2	...	...	2 50	...	...	...	...	...	...	...	...
"	"	*17	26	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	17	48	...	60	4	...	...	3 00	...	...	2 00	...	...	1 00	...	...
"	"	19	12	40	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	25	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	18	52	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	19	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	18	10	42	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	22	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	19	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	25	8	44	60	...	...	...	3 00	...	...	2 50	...	...	50	...	...
"	"	29	8	44	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	19	5	47	60	...	...	...	3 00	...	...	2 00	...	...	...	...	...
"	"	17	4	48	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	20	3	49	60	...	...	...	2 00	...	...	1 25	...	...	75	...	...
"	"	*27	2	...	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	*20	2	...	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	16	4	48	60	...	...	...	2 00	...	...	...	...	...	...	...	...
"	"	22	51	...	60	1	...	...	2 50	...	...	...	...	...	...	...	...
"	"	16	52	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	19	44	...	60	...	...	...	3 50	...	...	...	...	...	...	...	...
"	"	20	52	...	60	...	...	8	4 00	...	...	2 50	...	...	00	50	...

[illegible]

TABLE IVg—WORKING WOMEN—HAMILTON—Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.					Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Througk sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Printing and binding....	American	21	26	...	60	...	...	16	4 00	...	...	5 00	...	2 00	1 00	...	2 00
"	"	32	52	...	60	...	...	...	16 00	...	...	2 00	...	1 00	1 00	...	...
"	"	19	52	...	60	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	22	44	...	60	...	...	8	3 50	...	...	...	...	...	...	...	...
"	"	18	48	...	60	4	...	...	4 00	...	...	...	...	...	...	...	...
"	"	16	50	...	60	...	...	2	3 00	...	...	2 50	...	1 00	1 50	...	...
"	"	24	52	...	60	...	...	...	5 00	...	...	2 50	...	1 00	1 00	...	...
"	"	25	52	...	60	...	...	...	4 50	...	...	...	...	...	...	...	...
"	"	17	36	...	60	...	...	6	4 00	...	...	2 00	...	1 00	50	...	...
"	German	20	50	...	60	2	...	...	4 50	...	...	...	...	...	...	...	...
"	American	23	44	...	60	...	...	...	3 50	...	...	...	...	...	...	...	...
"	"	*16	8	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	16	30	22	60	...	...	...	3 00	...	...	...	...	...	...	...	...
Totals and averages..	.....	20	32.4	12	60	1	.....	.6	\$3 37	.....	.....	\$2 18	.....	\$0 77	\$1 04	2	\$0 04

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVh—WORKING WOMEN—HAMILTON.

[illegible]

TABLE IV/2 — WORKING WOMEN — HAMILTON — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non - employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Woolen goods.....	American	18	4	48	60	60	60	60	3 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	60	60	60	60	60	5 30	.....	.....	.....	3 00	.....	.....	2 00	.....	.....
"	"	21	52	60	60	60	60	60	5 30	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	4	48	60	60	60	60	3 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	4	48	60	60	60	60	3 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	33	52	60	60	60	60	60	3 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	33	52	60	60	60	60	60	7 00	.....	.....	.....	3 00	.....	1 50	1 50	8	1 50
"	"	20	52	60	60	60	60	60	6 00	.....	.....	.....	3 00	.....	1 00	2 00	.....	.....
"	"	16	50	60	60	60	60	60	4 00	.....	.....	.....	2 50	.....	1 00	.....	.....	.....
"	"	18	4	48	60	60	60	60	8 50	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	60	60	60	60	60	3 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	40	12	60	60	60	60	3 50	.....	.....	.....	2 50	.....	1 00	1 00	.....	.....
"	"	19	2	50	60	60	60	60	5 00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	25	39.3	9.9	60	.8	.....	.1	\$5 48	.....	.....	\$0 21	\$2 60	\$0 40	\$1 10	\$2 00	27	\$0 17

* Began work during year covered by investigation.

† Gave earnings to parents.

MIDDLETOWN.

CIGARS AND TOBACCO.

The work rooms in these factories are well situated. In one place visited, the work room is very large, but the girls are compelled to stand. When asked if they would not rather be seated, they said that they had become so accustomed to standing that they could not work seated. In this place, the girls had no room or locker in which to hang their street clothes, and they were hung about the work room in the dust. They answered the questions willingly.

The sanitary conditions were good.

PAPER.

All the mills in this town are well situated, and are light and well ventilated. The work rooms are on the first and second floors, and stairways are good. The girls are employed in sorting the rags (in all places save one), and in cutting and counting the sheets of paper.

In one place, the cutting machines are very high, two girls being employed on each machine, one sitting on a very high platform, and the other sits at the back of the machine on the floor level. These girls change places every two hours.

In one place, they had a very serious explosion last August on account of which the girls lost time. The proprietors were very courteous, and the girls answered cheerfully. The general conditions are apparently satisfactory to the workers.

TABLE V — WORKING WOMEN — MIDDLETOWN.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.		Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.	
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.			Other necessities.
Cigars and tobacco.....	116	20	45	4	57	1.4	.....	.2	\$6 59	.....	.....	\$3 43	\$0 08	\$1 38	\$1 49	10	\$0 22
Paper	77	28	38.6	7.3	53.8	1.1	.....	1	5 10	.....	.....	2 80	09	84	1 34	12	15
Totals and averages.....	193	23	42.4	5.3	55.7	1.3	.....	.5	\$6 00	.....	.....	\$3 19	\$0 08	\$1 16	\$1 43	22	\$0 19

TABLE VI—MIDDLETOWN.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

[illegible]

TABLE VIa—WORKING WOMEN—MIDDLETOWN—Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Bord and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Cigars and tobacco.....	American	18	52	.....	57	.....	.....	.....	6 00	.....	.....	3 00	.....	1 00	2 00	.....	†
"	"	18	52	.....	57	.....	.....	.....	6 50	.....	.....	4 00	.....	1 00	1 50	.....	.....
"	"	18	52	.....	57	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	21	52	.....	57	.....	.....	.....	5 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	18	50	.....	57	2	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	1 00
"	"	18	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	57	.....	.....	.....	6 00	.....	.....	3 00	.....	1 00	2 00	.....	.....
"	"	16	52	.....	57	.....	.....	.....	5 06	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	20	52	.....	57	.....	.....	.....	6 00	.....	.....	3 00	.....	1 50	50	.....	1 00
"	German	19	44	.....	57	8	.....	.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....
"	American	18	49	.....	57	3	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	9	43	57	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	50	.....	57	2	.....	.....	6 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	52	.....	57	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	19	49	.....	57	3	.....	.....	7 00	.....	.....	3 50	.....	1 50	1 00	.....	1 00
"	"	16	52	.....	57	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	17	44	.....	57	.....	.....	2	5 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	42	.....	57	8	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	36	16	57	10	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*16	19	.....	57	.....	.....	.....	6 00	.....	.....	3 00	.....	1 50	50	.....	.....
"	"	18	36	.....	57	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	16	50	.....	57	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	16	30	57	2	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	18	32	.....	57	6	.....	.....	6 50	.....	.....	4 00	.....	.....	.....	.....	.....
"	"	22	52	.....	57	.....	.....	.....	8 00	.....	.....	.....	.....	.....	2 00	.....	50
Totals and averages..	.....	20	45	4	57	1.4	.....	.2	\$6 59	.....	.....	\$3 43	\$0 08	\$1 38	\$1 49	10	\$0 22

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VIIb — WORKING WOMEN — MIDDLETOWN.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Paper	American	22	50		60				\$5			\$3 00		\$1 00			
"	"	17	50		60				5 00								
"	"	23	16	34	60				5 00			2 00		1 00	2 00		
"	"	32	50		60				5 00			2 00		1 00			
"	"	34	50		60				5 00								
"	"	21	50		60				5 00								
"	"	30	50		60				6 00				\$1 50	1 00	3 50		
"	"	23	46	4	60				5 00								
"	"	27	16	24	60			12	5 00								
"	"	21	16		60				5 00								
"	"	24	50		60				5 00								
"	"	48	50		60				6 00			3 00		1 00	2 00	2	
"	"	39	50		60				5 00							1	
"	"	42	38		60	12			5 00								
"	"	36	10		60				5 00								
"	"	30	50		60				5 00								
"	"	38	45		54	5			6 00			3 00		1 00	1 00		1 00
"	"	32	42		54	8			6 00			3 00		1 00	1 00		1 00
"	"	20	50		54				9 00			3 00		2 00	1 00		1 00
"	"	22	52		48				5 00			3 00		1 00	1 00		1 00
"	"	32	52		48				5 00								
"	"	20	50		48	2			4 00								
"	"	34	44		48				4 00								
"	"	28	48		48	4		8	5 00			2 50		1 00	50		50
"	"	26	36	10	48			6	5 00			3 00		1 00	75		1 00
"	"	32	52		48				4 50								
"	"	20	50		48				4 50								
"	"	18	48		48	2		2	3 50								
"	"	27	6	46	48				5 00			3 00		1 00	1 00		1 00
"	"	39	40		48			12	5 00			3 00		1 00	1 00		1 00
"	"	25	6	46	48				5 00			2 50		1 00	50		1 00
"	"	40	52		48				5 00			3 00		1 00	2 00		1 00
"	"	22	4	48	48				5 00								
"	"	17	20	32	48				4 75								
"	"	41	2	38	48	12			4 50							1	

TABLE VIIb — WORKING WOMEN — MIDDLETOWN — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.	
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Paper	American	31	20	32	48				4 00								2	
"	"	19	52	48	48				3 00									
"	"	*16	3		48			8	3 50						3 50			
"	"	53	49	48	48				5 00									
"	"	27	2	50	48				5 00									
"	Irish	66	50	48	48	2			5 00									
"	American	51	52	48	48				6 00			4 00		1 00	1 00			
"	"	36	3	48	48	1			4 50									
"	"	*27	2		48				4 00									
"	"	16	6	46	48				4 50			3 00		1 00	50			
"	"	46	52	48	48				5 00								1	
"	"	38	52	48	48				4 00									
"	"	16	4	45	48	3			5 00									
"	"	27	46	48	48	6			5 00									
"	"	*39	2		48				5 00									
"	"	36	52	48	48				5 00			2 50		1 00	50			1 00
"	"	19	48	48	48	4			5 00			2 50		1 00	1 00			
"	"	22	52	48	48				5 00			2 50		1 00	50			1 00
"	"	22	52	48	48				5 00			2 50		1 00	1 00			1 00
"	"	26	52	48	48				4 50									
"	"	20	48	48	48	4			4 00									
"	"	18	52	48	48				4 00									
"	"	*16	26	48	48				4 00									
"	"	23	52	60	60				8 50			5 00		1 00	1 50			1 00
"	"	37	52	60	60				5 00				1 50	1 00	2 50		1	
"	"	35	52	60	60				5 00									
"	"	26	52	60	60				5 00			2 50		1 00	1 00			50
"	"	39	52	60	60				4 50									
"	"	18	36	16	60				6 00									
"	"	21	52	60	60				6 00									
"	"	45	52	60	60				6 00			3 00		1 50	1 00		2	50
"	"	23	52	60	60				6 00									
"	"	23	52	60	60				6 00									
"	"	*19	8	60	60				6 00									
"	"	19	12	40	60				6 00									
"	"	21	44		60	8			7 00			5 00			2 00			

[illegible]

* Began work during year covered by investigation.
† Gave earnings to parents.

* Began work during year covered by investigation.

COLUMBUS, OHIO, February 11th, 1902.

Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

DEAR SIR:—I have the honor to herewith submit report of my investigation relating to the condition of working women in the cities hereinafter named:

Respectfully submitted,

GEORGIA HOPLEY.

CHILLICOTHE.

BOXES — PAPER.

The work room in the paper box factory is in the basement. The girls say it is a fine place to work, but it is hard to understand how it could be properly ventilated or healthy.

There are three regular girls employed who sub-let the contract to others. The work is done by hand, one machine is in use which is operated by the hand.

One deaf mute is employed as an assistant. She is seventeen years old and after having been engaged at the work for a year receives one dollar and a half a week.

Dexterine is used instead of glue or home manufactured paste, which does away with the horrible odor which prevails in some box factories.

LAUNDRIES.

The majority of the laundries are small, but the accommodations are good and the conditions favorable. While the number of hours a day is recognized as ten there are days when the work is light and the work is finished early in the afternoon.

One of the laundries is establishing a new system of marking family washing which will materially lighten the work.

Holidays are observed with no reduction in wages. One young girl burned her finger badly by having it caught in the ironing machine. The accident was the result of inattention rather than defective machinery. She was idle several weeks, during which time her wages were paid as well as the doctor bill settled for by the manager. Another girl was absent several weeks owing to illness and her wages were continued.

The largest laundry, employing twenty girls, has only been in operation four years and many of the girls have been employed since the first year.

PAPER.

The paper mill force is at work day and night. The same force alternates for the day and night service. The hours of night service is from 5:30 P. M. to 6:30 A. M. The girls say they have become accustomed to the night work and do not object to it. The force of women is small. The work is not hard and the mill a comfortable one in which to work. There is no toilet room in the mill, or near it. The girls are compelled to go to a private home in the neighborhood for toilet room privileges.

POTTERY.

The pottery had been in operation only six months when the canvass was made. During that time work has been suspended six weeks at one time, in order to perfect the working facilities. But eight girls are employed, although it is expected in time to increase the number of employees. The pottery is a new and pleasant building, the work of an interesting and superior character.

Seven girls are employed in the pottery proper and two in the gold or gilding room.

SHOES.

Both of the shoe factories are two stories high. There is no fire escape on either building. Both are so located that the four sides are exposed for air, sun and light. There is neither ventilation nor fresh air in the winter time.

At one of the factories the girls are expected to work two weeks for nothing on entering the factory. The work is of such a character that it requires little or no practice to become proficient. A large dressing room with toilet in connection is provided, although there is but one water closet for fifty girls.

STREET CAR CONDUCTORS.

Chillicothe boasts of an unusual enterprise for women, that of filling the position of street car conductors. The service gives general satisfaction. The girls have been in the service for the past four years. They like the work and the public say there is better order on the cars than when in charge of the men. The girls go on duty at six o'clock in the morning, and are off duty by half past nine in the evening when the cars are in charge of the men until midnight.

The girls are allowed one day off duty each week and every seventh Sunday.

TINWARE.

Here is to be found, in the canning season, an army of men, women and children, who, many of them, work far beyond the limit of ten hours a day, as the labor is piece work and it is hoped to make all that is possible. The work continues day and night, Sunday and week day. In the canning season there are about three hundred girls employed. In the winter, when the accompanying table was secured, there were less than two dozen at work, engaged, at that time, in making tin cans.

The noise is almost deafening. The work is not hard nor difficult. It is necessary to wear gloves or protect the hands, as there is danger in cutting the hands, and the acid used in soldering or cementing the cans affects the skin, in some instances seriously.

The girls are at work (with the men as well), on the third floor, there is no fire escape, neither is there a water closet only on the ground floor. One inside the building, the other on the outside.

While the work in the manufacture of tin cans is not difficult it requires constant attention to work to accomplish what is necessary to secure wages sufficient to eke out a living.

Seven and eight cents an hour is paid for some of the work. Fifteen cents is the price paid for putting the tops on one thousand tin cans. This means fit the top and also the bottom on one thousand cans.

TABLE I—WORKING WOMEN—CHILLICOTHE.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Boxes—paper	5	23	51.2	.....	54	.8	.....	.....	\$3 30	.....	.....	\$1 50	.....	\$1 06	\$1 06	.....	\$0 10
Laundries	9	23	36.3	15.5	42	.....	.....	.....	4 28	.....	.....	1 38	.....	87	1 06	2	03
Paper	4	23	52	.....	60	.....	.....	.....	4 50	.....	.....	2 00	.....	1 50	92	.....	08
Pottery	8	23	22.5	23.1	54	.....	.....	.....	3 00	.....	.....	1 07	.....	96	96	5	.....
Shoes	54	23	43.3	6.2	54	.....	.....	.....	3 68	.....	.....	1 56	\$0 03	1 06	1 01	4	16
Street car conductors.....	6	21	45.3	6.7	60	.....	.....	.....	4 00	.....	.....	1 25	.....	1 25	1 33	1	08
Tinware	13	30	48.3	3.7	54	.....	.....	.....	4 94	.....	.....	2 19	50	94	10	5	04
Totals and averages.....	99	24	42.5	7.5	53.5	.....	.....	.....	\$3 88	.....	.....	\$1 53	\$0 08	\$1 05	\$0 91	17	\$0 11

TABLE II—CHILLICOTHE.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE IIa—WORKING WOMEN—CHILLICOTHE.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Boxes—paper	American	25	52	.....	54	.....	.....	.....	\$4 00	.....	.....	\$2 00	.....	\$1 00	\$1 00	.....	.....
"	"	24	48	.....	54	4	.....	.....	4 00	.....	.....	2 00	.....	75	75	.....	.....
"	"	17	52	.....	54	.....	.....	.....	1 50	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	25	52	.....	54	.....	.....	.....	4 00	.....	.....	2 00	.....	1 50	1 50	.....	.....
"	"	22	52	.....	54	.....	.....	.....	3 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	23	51.2	.....	54	.8	.....	.....	\$3 30	.....	.....	\$1 50	.....	\$1 06	\$1 06	.....	\$0 10

† Gave earnings to parents.

TABLE IIb — WORKING WOMEN — CHILLICOTHE.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Laundries	American	37	52	...	42	...	...	...	\$10 00	...	...	...	\$2 00	...	...	...	...	...
"	"	32	52	...	42	...	...	...	4 00	...	...	...	2 00	...	\$0 50	\$0 50	...	...
"	"	19	24	28	42	...	...	...	3 00	...	...	...	2 00	...	2 00	75	...	...
"	"	27	52	...	42	...	...	...	50	...	...	...	...	...	...	2 00	...	...
"	"	18	12	40	42	...	...	...	4 00	...	...	...	...	...	...	...	1	...
"	"	32	52	...	42	...	...	...	4 00	...	...	...	1 50	...	50	1 00	...	...
"	"	20	12	40	42	...	...	...	3 00	...	...	...	...	...	...	...	1	...
"	"	21	52	...	42	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	"	21	52	...	42	...	...	...	3 00	...	...	...	...	...	...	...	...	...
"	"	18	20	32	42	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals and averages..	.....	23	36.3	15.5	42	.....	.....	.....	\$4 28	.....	.....	.....	\$1 38	.....	\$0 87	\$1 06	2	\$0 03

† Gave earnings to parents.

TABLE IIc — WORKING WOMEN — CHILLICOTHE.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings. [†]
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Paper	American	18	52	60	60 .....	.....	.....	.....	\$4 50 .....	.....	.....	\$2 00 .....	.....	\$1 50	\$1 00 .....	.....	.....
"	"	23	52	60	60 .....	.....	.....	.....	4 50 .....	.....	.....	2 00 .....	.....	1 50	1 00 .....	.....	.....
"	"	25	52	60	60 .....	.....	.....	.....	4 50 .....	.....	.....	2 00 .....	.....	1 50	75 .....	.....	.....
"	"	27	52	60	60 .....	.....	.....	.....	4 50 .....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	23	52	60	60 .....	.....	.....	.....	\$4 50 .....	.....	.....	\$2 00 .....	.....	\$1 50	\$0 92 .....	.....	\$0 08

[†] Gave earnings to parents.

TABLE II d — WORKING WOMEN — CHILLICOTHE.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Pottery	American	27	28	24	54	.....	.....	\$3 00	.....	.....	\$1 50	.....	\$0 75	\$0 75	.....	.....
"	"	18	24	54	54	.....	.....	3 00	.....	.....	1 50	.....	75	75	.....	.....
"	"	15	1	54	54	.....	.....	3 00	.....	.....	2 00	.....	50	50	.....	.....
"	"	37	28	54	54	.....	.....	3 00	.....	.....	1 00	.....	1 00	1 00	5	.....
"	"	23	12	46	54	.....	.....	3 00	.....	.....	1 50	.....	75	75	.....	.....
"	"	21	25	54	54	.....	.....	3 00	.....	.....	1 50	.....	1 50	1 50	.....	.....
"	"	21	24	54	54	.....	.....	3 00	.....	.....	.....	.....	1 50	1 50	.....	.....
"	"	23	25	54	54	.....	.....	3 00	.....	.....	.....	.....	1 50	1 50	.....	.....
Totals and averages.	.....	23	22.5	23.1	34	.....	.....	\$3 00	.....	.....	\$1 07	.....	\$0 96	\$0 96	5	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IIe — WORKING WOMEN — CHILLICOTHE.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Shoes	American	30	52	54	54	54	54	\$10 00			\$3 00		\$3 00	\$2 00	1	\$2 00
"	"	28	52	54	54	54	54	5 00						1 50		
"	"	16	52	54	54	54	54	2 25					1 50	1 50		
"	"	19	52	54	54	54	54	2 00			1 00		50	50		
"	"	*15	52	54	54	54	54	4 00								
"	"	26	52	54	54	54	54	4 00								
"	"	17	52	54	54	54	54	2 00			1 00					
"	"	*15	52	54	54	54	54	1 50					1 00			
"	"	31	52	54	54	54	54	6 00			3 00			2 00		
"	"	27	52	54	54	54	54	4 00						2 00		
"	"	40	52	54	54	54	54	4 00			2 50			1 75		
"	"	16	52	54	54	54	54	2 00					2 00	1 25		
"	"	29	52	54	54	54	54	5 00					2 00	1 25		
"	"	25	52	54	54	54	54	3 00			2 50			75		
"	"	17	52	54	54	54	54	2 00			2 00			1 00		
"	"	24	52	54	54	54	54	1 00					25	25		
"	"	*13	52	54	54	54	54	3 00					1 00	1 00		
"	"	17	52	54	54	54	54	2 75								
"	"	17	52	54	54	54	54	2 00								
"	"	32	52	54	54	54	54	5 00			2 50		50	1 00		
"	"	25	52	54	54	54	54	4 50								
"	"	23	52	54	54	54	54	5 00			2 25		1 50	1 50		
"	"	26	52	54	54	54	54	5 50			2 25		1 50	1 50		
"	"	20	52	54	54	54	54	3 00								
"	"	25	52	54	54	54	54	3 00								
"	"	*21	52	54	54	54	54	2 00			1 00		50	50		
"	"	22	52	54	54	54	54	2 50			2 25					
"	"	19	52	54	54	54	54	4 50					1 00	1 00		
"	"	36	52	54	54	54	54	4 50			3 00					
"	"	28	52	54	54	54	54	1 50					1 00	75		
"	"	14	40	54	54	54	54	1 50						75		
"	"	18	4	48	54	54	54	1 50			1 00			25		
"	"	15	23	24	54	54	54	1 50						25		

TABLE II^f — WORKING WOMEN — CHILLICOTHE.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Street car conductors....	American	19	52	.....	60	.....	.....	.....	\$4 00	.....	.....	\$2 00	.....	\$1 00	\$1 00	.....	.....
"	"	19	52	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	1	.....
"	"	20	32	20	60	.....	.....	.....	4 00	.....	.....	.....	.....	2 00	2 00	.....	.....
"	"	22	32	20	60	.....	.....	.....	4 00	.....	.....	.....	.....	75	1 00	.....	.....
"	"	20	52	.....	60	.....	.....	.....	4 00	.....	.....	1 75	.....	.....	.....	.....	.....
"	"	25	52	.....	60	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	21	45.3	6.7	60	.....	.....	.....	\$4 00	.....	.....	\$1 25	.....	\$1 25	\$1 33	1	\$0 08

^f Gave earnings to parents.

TABLE IIg—WORKING WOMEN—CHILLICOTHE.

Occupation.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa-	Other occupa-	Hours of labor per week.	Thorough sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Tinware	34	52	.....	54	.....	.....	.....	\$3 00	.....	.....	.....	.....	.....	.....	.....	.....
"	44	52	.....	54	.....	.....	.....	5 25	.....	.....	.....	.....	.....	.....	.....	.....
"	42	52	.....	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	20	52	.....	54	.....	.....	.....	7 00	.....	.....	.....	.....	.....	.....	.....	.....
"	25	52	.....	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	18	52	.....	54	.....	.....	.....	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	35	52	.....	54	.....	.....	.....	8 06	.....	.....	.....	.....	.....	.....	.....	.....
"	20	52	.....	54	.....	.....	.....	4 00	.....	.....	.....	.....	.....	.....	.....	.....
"	15	52	.....	54	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	.....
"	28	52	.....	54	.....	.....	.....	8 00	.....	.....	.....	.....	.....	.....	.....	.....
"	20	52	.....	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	25	52	.....	54	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....	.....
"	42	52	.....	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	30	48.3	3.7	54	.....	.....	.....	\$4 94	.....	.....	\$2 19	\$0 50	\$0 94	\$0 10	5	\$0 04

† Gave earnings to parents.

PORTSMOUTH.

BOXES — PAPER.

Here the work room has the appearance of a nursery or foundling hospital. The usual number employed is forty-two, and fully half of this number are little girls of 14, 15 and 16 years. None give their age as under fourteen, but they look it. The work is neither hard nor of a scientific nature, hence the ability of the little girls to perform it. Almost all of the departments of work are of such a nature as to permit the use of a stool, which is provided. The hours are nine in winter and ten in summer, stopping at five o'clock on Saturday. There is but one closet provided for the use of the entire number of employes. Dexterine is used instead of glue and home manufactured paste, which, happily, does away with the vile odor which is apt to prevail when the paste or glue is used. The girls who do piece-work start at two dollars a week, and can earn as high as \$6.50. Those who are paid by the week — in most cases the smaller girls — receive \$2.00. No fresh air and no ventilation, although comfortable as to temperature in both summer and winter.

CLOTHING — LADIES'.

The hours in winter are nine and a half, and in summer ten. There is but a half hour at noon that the time for closing in the evening may be a half hour earlier, in order that those going over into Kentucky may catch the ferry. The work room is pleasant, with northern, southern and western exposure. Owing to a dull season at the holiday time, and a general desire on the part of the employes for a vacation, work was suspended for a week. The factory has been in operation only a year. During the busy season fifteen girls are employed.

CLOTHING — MENS'.

Here the hours are ten a day, with nine on Saturday. One branch has been in operation only two years, and some of the girls have been with the establishment since it first started. In the other department, some have continued with the firm for eight years. The wages paid beginners is \$2.50 a week. By close application, it is possible to make \$9 a week. There are two slack seasons in the work, — two weeks in January and in July. There is no night work. An hour for noon, and holidays off. Most of the girls go home for luncheon. A number live in Kentucky, crossing the ferry at five cents each way. In January arrangements were being perfected to move into new quarters, where there would be every convenience, — perfect sanitation, ventilation, dressing rooms for the girls and ample room.

SHOES.

There are eleven hundred women and girls employed in the five shoe factories at Portsmouth. In some of the establishments the work rooms are very crowded. From one to three hundred girls are at work in one room, and while the room is a large one the number of girls, together with the machines and the work piled high in every direction, crowds the room to its utmost capacity. There is no room provided for the wraps, hats, umbrellas or lunch boxes. The wraps, in winter, is not a small item to take into consideration in regard to room. With one hundred to six hundred girls on the third floor, there is no fire escape. The largest four factories, where the greatest number of people are employed, are without fire escapes. In one of the factories there is but one water closet for one hundred and twenty-five girls, in another two closets with accommodations for three in each.

for two hundred and seventy-five girls. The closets are in the center of the room where the girls are at work and in several cases the odor, even in winter time is most disagreeable.

In some of the largest factories there is inadequate facilities for washing. In one factory there is one sink, with five faucets for the accommodation of two hundred and seventy-five girls at the closing hour. There are no towels provided. The girls use their aprons. In another factory one faucet and one single water closet is provided for one hundred and twenty-five girls. At another one single closet for one hundred and thirty-five girls.

A number of the girls were found wearing their hat while working. When asked the reason for this the reply was that they were not allowed to get their hats half an hour before the hour for closing, and in order to waste no time in getting away they work in their hats.

Some of the factories are said to be provided with an exceptional system of blower where the air is changed every fifteen minutes. The air is said to be perfectly pure, but it is nevertheless too hot to be either comfortable or healthy. In a room with hundreds of people employed, there is not a single window down at the top, or up at the bottom, or any arrangement for the admission of cool, fresh air.

In examining the table of wages in the shoe factories, it must be remembered that there are two dull seasons each year in the shoe business, — in the spring and fall, — when the girls are idle from two to eight weeks each season, which must be deducted from the annual wage, as shown in the table.

The smell of leather is said by some to induce consumption, and the cement used is apt to affect some unpleasantly, while others say it is not distasteful to them.

Unfiltered water from the Ohio River is used for drinking purposes in most of the workshops and factories at Portsmouth.

Almost all of the factories are located in such a manner that the four sides of the building are exposed, affording exceptional advantages for light, air and sunshine.

TELEPHONE OPERATORS.

The hours for the regular operators are nine and a half and ten a day, and five and six hours for the relief force. One night operator remains alone at the exchange all night. There are seven girls at one exchange, and seventeen at the other. Where there are seventeen, arrangements are being made for a recreation room. At present, there is only a small dressing room and toilet combined. A half day is required one Sunday in each month, and fifty cents allowed for Sunday work. Every one is given a half day on holidays. Here the proprietor gave his employes a complimentary dinner at the hotel on Thanksgiving, and two months later took them to see "The Telephone Girl," at the Opera House.

In winter the girls go on duty at 6:30 A. M., and in summer at six, stopping at 5:00 and 5:30 P. M. A vacation of one week is allowed each year. At the exchange, where there are seven girls, the girl who is on for Sunday work is allowed one day during the week in exchange for Sunday service. The regular operators are on duty every fifth Sunday.

The chief operator has adopted a new plan, that of allowing one of the girls on duty for Sunday work three hours during the afternoon, from one to five. The chief operator reported the plan worked well, and was appreciated.

Both of the exchanges are comfortable, and pleasant places to work. The manager employing seven girls complimented his employes with a theatre party, as well as the other manager.

TABLE III — WORKING WOMEN — PORTSMOUTH.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly-savings.
			Present occupation.	Other occupations.	Average hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Boxes — paper	36	17	35.6	10	54	.3	.....	.....	\$3 88	.....	.....	\$1 68	.....	\$1 35	\$0 86	2	\$0 02
Clothing — ladies'	9	23	12.4	16	54	.....	.....	.....	3 83	.....	.....	1 37	\$0 16	.87	89	3	08
Clothing — men's	36	25	42.3	7.8	54	.2	.....	.....	4 78	.....	.....	1 79	.....	1 80	1 26	4	07
Laundries	24	25	39	10	55.7	.7	.....	.....	4 19	.....	.....	1 52	.....	1 12	1 06	5	04
Shoes	846	21	35	10	54	.5	.....	.....	3 40	.....	.....	1 99	04	1 25	1 13	72	10
Telephone operators	26	21	34.3	11.8	60	.1	.....	.....	4 37	.....	.....	1 13	05	1 67	96	43	
Totals and averages	977	21	35.2	10	54.2	.5	.....	.3	\$4 28	.....	.....	\$1 93	\$0 03	\$1 28	\$1 12	86	\$0 10

TABLE IV—PORTSMOUTH.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE IVa—WORKING WOMEN—PORTSMOUTH.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Boxes, " paper	American	51	51	54	1			\$5 25			\$3 00		\$1 50	\$0 75			
	"	52	54	54				5 25			2 00		2 00	1 25			
	"	52	54	54				3 75									
	"	51	54	54	1			5 00								2	
	"	52	54	54				4 50									
	"	52	54	54				4 25									
	"	52	54	54				3 60			2 00						
	"	52	24	54				3 60			1 00						
	"	52	54	54				3 60									
	"	52	54	54				3 60									
	"	52	54	54				3 60									
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"	52	54	54				3 60						</				

Boxes — paper	19	52	54	4 75	1 00	1 50	1 10	1 00	2	\$0 02
“	19	52	54	4 75	1 50	2 00	1 50	1 00	1 10	15
“	19	52	54	3 50	1 00	1 50	1 00	1 00	1 00	15
Totals and averages..	17	52.6	54	\$3 38		\$1 08	\$1 35	\$0 86	2	\$0 02

* Began work during year covered by investigation.

[†]Gave earnings to parents.

TABLE IVb — WORKING WOMEN — PORTSMOUTH.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clothing,—ladies'	American	*49	20	24	54	54	54	54	\$5 00	.....	.....	\$1 00	.....	\$1 00	.....	2	.....
"	"	*21	12	8	54	54	54	54	3 00	.....	.....	2 00	.....	1 00	.....	.....	.....
"	"	*19	16	12	54	54	54	54	4 00	.....	.....	1 50	.....	1 00	.....	.....	.....
"	"	"	6	46	54	54	54	54	4 00	.....	.....	1 50	.....	1 00	.....	.....	.....
"	"	*25	2	5	54	54	54	54	4 00	.....	.....	1 50	.....	1 00	.....	1	.....
"	"	*25	12	.....	54	54	54	54	5 50	.....	.....	1 00	\$0 65	2 00	1 85	.....	.....
"	"	*23	4	.....	54	54	54	54	2 00	.....	.....	1 00	65	20	15	.....	.....
"	"	49	20	32	54	54	54	54	3 00	.....	.....	1 50	.....	25	50	.....	75
"	"	26	28	24	54	54	54	54	4 00	.....	.....	1 50	.....	1 50	1 00	.....	.....
Totals and averages..	.....	28	12.4	16	54	.....	.....	.....	\$3 83	.....	.....	\$1 37	\$0 16	\$0 87	\$0 89	3	\$0 08

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVc—WORKING WOMEN—PORTSMOUTH.

Occupation.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa-	Other occupa-	Hours of labor	Through sick-	Non-employ-	Strikes and	Average wages per week.	Wages of males.	Same labor.	Income other than wages.	Board and lodg-	Rent, light and	Clothing.	Other neces-		
Clothing—men's	35	52	...	54	...	...	...	\$5 25	...	...	...	\$2 50	...	\$2 00	\$0 75	...	...
"	27	16	36	54	...	...	...	3 50	...	...	...	1 50	...	1 00	1 00	...	...
"	19	20	32	54	...	...	...	3 75	...	...	...	1 50	...	1 50	...	...	...
"	21	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	23	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	22	32	20	54	...	...	...	4 25	...	...	...	2 00	...	2 00	...	...	...
"	*20	40	...	54	...	...	...	5 00	...	...	...	1 75	...	1 25	1 25	...	...
"	30	48	4	54	...	...	...	6 25	...	...	...	2 25	...	2 00	...	...	...
"	24	52	...	54	...	...	...	6 00	...	...	...	3 00	...	1 50	1 50	...	...
"	32	52	...	54	...	...	...	7 00	...	...	...	2 50	...	3 00	1 50	...	...
"	30	36	14	54	...	...	...	6 25	...	...	...	2 50	...	2 00	1 25	...	50
"	28	36	...	54	2	...	...	3 00	...	...	...	1 50	...	75	75	...	...
"	*19	20	...	54	...	...	...	5 50	...	...	...	...	...	...	...	...	...
"	28	52	40	54	...	...	...	4 00	...	...	...	2 00	...	2 00	1 00	...	...
"	23	52	...	54	...	...	...	4 25	...	...	...	...	...	...	...	...	...
"	25	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	31	52	32	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	20	20	32	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	24	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	23	32	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	19	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	20	32	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	24	32	20	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	22	32	20	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	27	16	36	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	32	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	*19	40	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	21	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...	...
"	23	54	28	54	...	...	...	4 25	...	...	...	1 50	...	1 00	50	...	...
"	22	52	...	54	...	...	...	4 25	...	...	...	1 50	...	2 00	75	...	...
"	26	52	...	54	...	...	...	6 00	...	...	...	2 00	...	2 00	2 00	...	...
"	31	50	...	54	...	...	...	6 00	...	...	...	2 00	...	3 00	1 00	...	...
"	24	47	...	54	5	...	...	7 00	...	...	...	2 00	...	3 00	2 00	...	...

TABLE IVc — WORKING WOMEN — PORTSMOUTH — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Clothing — men's	German	23	52	54	54	.....	.....	4 00	.....	.....	2 00	.....	1 00	.....	.....	2 00†
"	American	26	52	54	54	.....	.....	3 75	.....	.....	.....	.....	.....	.....	.....	.....
"	"	52	52	54	54	.....	.....	3 50	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	25	42.3	54	.2	.....	.....	\$4 78	.....	.....	\$1 79	.....	\$1 80	\$1 26	4	\$0 07

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVd — WORKING WOMEN — PORTSMOUTH.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Laundries	American	31	43	...	54	9	...	...	\$8 4 00	...	...	...	...	...	...	...	\$0 15†
"	"	17	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	25†
"	"	24	52	...	54	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	17	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*16	28	...	54	3	...	...	3 50	...	...	...	...	...	...	...	...
"	"	29	28	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	31	52	...	54	...	...	...	7 50	...	...	\$2 30	...	...	...	1.	...
"	"	*38	26	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*18	44	...	54	...	...	...	4 00	...	...	1 50	...	...	...	...	25
"	"	24	8	...	54	...	...	...	3 00	...	...	1 50	...	...	...	...	...
"	"	26	52	...	54	...	...	...	4 00	...	...	1 50	...	...	...	...	...
"	"	18	32	...	54	...	...	...	3 00	...	...	1 00	...	...	...	...	25
"	"	18	8	...	54	...	...	...	3 00	...	...	1 00	...	...	...	...	...
"	"	23	52	...	54	...	...	...	4 00	...	...	2 00	...	...	...	...	...
"	"	20	52	...	54	...	...	...	5 00	...	...	...	...	...	...	1	...
"	"	40	52	...	54	...	...	...	2 00	...	...	...	...	...	...	1	...
"	"	18	52	...	54	...	...	...	4 00	...	...	...	...	...	...	...	...
"	"	19	52	...	60	...	...	...	4 00	...	...	1 00	...	...	...	...	...
"	"	30	52	...	60	...	...	...	4 00	...	...	1 00	...	...	...	...	...
"	"	18	52	...	60	...	...	...	4 00	...	...	2 00	...	...	...	...	...
"	"	18	28	...	60	1	...	...	4 00	...	...	1 75	...	...	...	...	...
"	"	21	10	...	42	...	...	...	4 00	...	...	2 00	...	...	...	...	...
"	"	54	4	...	44	4	...	...	4 00	...	...	2 00	...	...	...	...	...
"	"	54	4	...	60	...	...	...	4 00	...	...	2 00	...	...	...	2	...
"	"	22	52	...	60	...	...	...	6 00	...	...	...	...	...	...	...	...
Totals and averages..	...	25	39	10	55.7	.7	...	...	\$4 19	...	...	\$1 52	...	\$1 12	\$1 06	5	\$0 04

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE IVe — WORKING WOMEN — PORTSMOUTH.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.	
Shoes	American	20	52	...	54	...	...	...	\$8	50	...	\$1	50	...	...	...
"	"	19	52	52	54	...	...	...	6	00	...	2 50	...	2 00	1 50	...
"	"	20	52	52	54	...	...	...	8	00	...	5 00	...	1 50	1 50	...
"	"	22	52	52	54	...	...	...	7	00	...	3 75	...	2 00	75	...
"	"	17	16	32	54	4	...	...	2 50	...	...	...	...	...	...	...
"	"	*16	10	54	54	...	...	...	3	00	...	...	...	...	...	...
"	"	*16	2	54	54	...	...	...	3	00	...	...	...	...	...	...
"	"	17	24	38	54	...	...	...	3	00	...	2 00	...	50	50	...
"	"	13	36	10	54	...	6	...	5	00	...	2 00	...	75	50	...
"	"	23	52	52	54	...	...	...	4	00	...	2 50	...	1 00	1 40	...
"	"	22	52	32	54	...	...	...	5	00	...	2 50	...	65	75	...
"	"	16	52	52	54	...	...	...	4	00	...	2 00	...	1 25	2 00	...
"	"	18	52	54	54	...	...	...	7	00	...	3 00	...	2 00	1 50	...
"	"	18	16	30	54	6	...	...	3	00	...	...	...	1 50	1 50	...
"	"	21	28	24	54	...	...	...	8	35	...	1 50	...	75	75	...
"	"	23	30	22	54	...	...	...	6	00	...	2 00	...	2 00	2 00	...
"	"	20	52	54	54	...	...	...	1	50	...	...	...	...	...	...
"	"	18	52	54	54	...	...	...	3	30	...	1 50	...	1 00	1 00	...
"	"	20	12	40	54	...	...	...	8	30	...	2 00	...	75	75	...
"	"	20	20	32	54	...	...	...	8	00	...	5 00	...	1 50	1 50	...
"	"	17	28	24	54	1	...	...	9	00	...	5 00	...	2 00	2 00	...
"	"	23	51	54	54	...	...	...	0	00	...	3 80	...	2 00	1 80	...
"	"	18	52	...	54	...	...	...	0	00	...	3 80	...	2 00	1 80	...
"	"	27	1	51	54	...	...	...	4	30	...	2 00	...	1 50	1 00	...
"	"	23	52	20	54	...	...	...	6	00	...	2 80	...	2 00	1 80	...
"	"	31	32	8	54	...	...	...	2	00	...	2 00	...	1 50	1 00	...
"	"	26	8	50	54	...	...	...	6	00	...	2 80	...	2 00	1 80	...
"	"	16	12	40	54	36	...	...	2	00	...	2 00	...	2 00	1 80	...
"	"	16	12	40	54	...	...	...	3	25	...	2 00	...	2 50	75	...
"	"	24	52	54	54	...	...	...	3	35	...	2 00	...	2 50	25	...
"	"	27	49	54	54	3	...	...	7	00	...	2 00	...	50	75	...
"	"	27	1	51	54	...	...	...	2	00	...	...	...	...	...	...
"	"	29	2	50	54	...	...	...	2	00	...	...	...	...	...	...
"	"	24	52	54	54	...	...	...	7	50	...	2 50	...	1 00	1 60	...
"	"	24	52	54	54	...	...	...	9	00	...	2 50	...	1 75	3 00	...
"	"	24	52	54	54	...	...	...	5	00	...	...	...	...	...	...

TABLE IVc — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Shoes	American	32	49	54	3			4 00			2 00		1 00	1 00	1	50
"	"	36	48	54			4	4 00			1 50	4 00	75	1 25	50	1 00
"	"	20	52	54				5 00			2 00		1 00	1 00		60
"	"	18	52	54				3 00			1 50	3 00	50	40		60
"	"	19	47	54				2 75								10
"	"	24	36	16	5			6 00			2 50		2 50	90		10
"	"	18*	1	54			1	1 50								+
"	"	18	52	54				6 00			1 50		2 50	2 00		+
"	"	16	2	50			2 00	2 00			1 10		50	50		+
"	"	16	28	24			2 00	2 70								+
"	"	18	51	54	1			4 00			1 00		2 00	2 00		+
"	"	15	52	54				2 50								+
"	"	25	52	54				3 10			1 75		50	25		+
"	"	22	52	54				2 50					1 50	1 00		+
"	"	*18	52	54				2 50								+
"	"	15	1	51				1 75								+
"	"	15	52	54	5			3 00								+
"	"	20	24	23				3 00								+
"	"	*18	1	54				2 25					1 50	1 50		+
"	"	15	28	24				2 50					1 00	1 25		+
"	"	19	52	54				2 50								+
"	"	16	36	12			4	2 50								+
"	"	18	48	54				4 00			1 40		2 00	1 00		+
"	"	17	20	32				3 10								+
"	"	17	52	54				3 25			1 25		1 00	1 00		+
"	"	20	52	54				4 00			2 00		75	1 25		+
"	"	19	52	54				8 00								+
"	"	*16	28	54				2 50			1 00		1 00	50		+
"	"	19	52	54				3 00			2 00		50	50		+
"	"	*17	8	54				2 50			1 25		75	50		+
"	"	16	1	51				2 25			1 00		75	50		+
"	"	26	52	54				4 00			2 50		1 00	50		+
"	"	18	52	54				3 50			2 00		75	55		+
"	"	*17	28	54				2 00								+
"	"	19	24	27			1	3 25			1 75		1 00	50		+

Shoes	American	17	12	36	54	.....	.....	4	\$2.50	.....	\$1.75	.....	\$0.50	\$0.25	.....
"	"	16	12	38	54	.....	.....	2	2.50	.....	1.00	.....	50	40	.....
"	"	25	1	51	54	.....	.....	.....	6.00	.....	1.50	.....	50	50	60
"	"	26	52	.....	54	.....	.....	.....	6.00	.....	3.00	.....	2.00	90	10
"	"	18	52	.....	54	.....	.....	.....	3.50	.....	.....	.....	.....	.....	10†
"	"	26	52	.....	54	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....
"	"	10	52	.....	54	.....	.....	.....	3.50	.....	.....	.....	.....	.....	.....
"	"	*10	4	.....	54	.....	.....	.....	6.00	.....	.....	.....	.....	.....	.....
"	"	23	52	.....	54	.....	.....	.....	6.00	.....	2.00	.....	75	1.00	.....
"	"	23	52	.....	54	.....	.....	.....	2.50	.....	1.00	.....	1.50	1.25	1 92
"	"	*20	1	46	54	.....	.....	.....	2.50	.....	.....	.....	.....	.....	22
"	"	*20	1	16	54	.....	.....	.....	2.50	.....	.....	.....	.....	.....	.....
"	"	22	52	.....	54	.....	.....	.....	2.50	.....	1.25	.....	75	50	.....
"	"	24	52	.....	54	.....	.....	.....	4.00	.....	1.75	.....	65	30	10
"	"	34	52	.....	54	.....	.....	.....	2.50	.....	1.75	.....	1.25	1.00	.....
"	"	18	12	40	54	.....	.....	.....	2.50	.....	2.00	.....	1.25	90	10
"	"	21	32	.....	54	.....	.....	.....	6.00	.....	2.50	.....	1.75	75	.....
"	"	21	32	.....	54	.....	.....	.....	4.00	.....	2.00	.....	1.75	1.00	.....
"	"	20	32	.....	54	.....	.....	.....	4.50	.....	.....	.....	1.00	1.00	.....
"	"	22	20	12	54	.....	.....	.....	3.00	.....	2.50	.....	.....	25	30†
"	"	16	12	40	54	.....	.....	.....	2.50	.....	2.00	.....	.....	35	25
"	"	25	52	.....	54	.....	.....	.....	4.00	.....	2.00	.....	.....	.....	15
"	"	18	52	.....	54	.....	.....	.....	3.00	.....	.....	.....	.....	.....	10
"	"	17	8	44	54	.....	.....	.....	2.50	.....	1.00	.....	.....	.....	.....
"	"	17	20	31	54	.....	.....	1	2.50	.....	3.00	.....	1.00	50	.....
"	"	21	32	.....	54	.....	.....	.....	5.00	.....	.....	.....	1.00	1.00	.....
"	"	16	52	.....	54	.....	.....	.....	2.50	.....	1.00	.....	1.50	85	.....
"	"	*16	1	.....	54	.....	.....	.....	2.00	.....	1.00	.....	50	50	15†
"	"	*21	1	.....	54	.....	.....	.....	2.00	.....	1.50	.....	.....	.....	.....
"	"	*15	32	24	54	.....	.....	.....	2.00	.....	1.00	.....	.....	.....	.....
"	"	15	20	17	54	.....	.....	5	2.00	.....	1.50	.....	.....	.....	.....
"	"	*22	3	.....	54	.....	.....	.....	2.50	.....	1.00	.....	50	90	.....
"	"	38	52	.....	54	.....	.....	.....	5.00	.....	.....	.....	.....	.....	.....
"	"	*30	20	30	54	.....	.....	.....	4.00	.....	1.00	.....	2.00	1.00	.....
"	"	23	20	30	54	.....	.....	.....	6.50	.....	3.00	.....	1.50	1.40	.....
"	"	27	52	.....	54	.....	.....	1	4.50	.....	.....	.....	.....	.....	.....
"	"	30	52	.....	54	.....	.....	.....	6.00	.....	3.00	.....	.....	.....	.....
"	"	33	52	.....	54	.....	.....	.....	6.00	.....	.....	.....	2.00	1.00	.....
"	"	*25	4	48	54	.....	.....	.....	6.50	.....	3.00	.....	2.00	2.30	.....
"	"	16	4	.....	54	.....	.....	.....	6.50	.....	2.00	.....	25	25	.....
"	"	39	52	.....	54	.....	.....	.....	12.00	.....	2.00	.....	.....	.....	2 00†
"	"	22	52	.....	54	.....	.....	.....	4.50	.....	1.50	.....	1.00	1.50	.....
"	"	20	52	.....	54	.....	.....	.....	3.50	.....	1.50	.....	1.50	1.50	.....
"	"	20	52	.....	54	.....	.....	.....	2.50	.....	1.25	.....	1.00	25	.....
"	"	*18	8	10	54	.....	.....	12	3.50	.....	2.00	.....	1.00	50	.....
"	"	16	8	32	54	.....	.....	.....	3.00	.....	1.50	.....	1.00	50	.....
"	"	22	8	32	54	.....	.....	.....	4.00	.....	2.00	.....	1.00	50	.....
"	"	21	52	.....	54	.....	.....	.....	3.50	.....	.....	.....	.....	.....	.....
"	"	17	12	37	54	.....	.....	8	3.00	.....	.....	.....	.....	.....	.....
"	"	18	12	36	54	.....	.....	4	2.50	.....	.....	.....	.....	.....	.....
"	"	19	12	40	54	.....	.....	.....	3.50	.....	.....	.....	.....	.....	.....
"	"	22	52	.....	54	.....	.....	.....	3.00	.....	1.25	.....	1.25	2.15	.....
"	"	*22	8	20	54	.....	.....	.....	2.50	.....	.....	.....	.....	.....	.....
"	"	*16	1	.....	54	.....	.....	.....	2.25	.....	.....	.....	.....	.....	.....

TABLE IVc — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Shoes	16	12	..	54	..	..	..	\$2 50	..	..	2 00	3 00	50	40	..	\$0 10
"	16	28	..	54	..	..	..	3 00	..	..	2 00	3 00	50	40	..	10
"	16	52	..	54	..	..	..	3 00	..	..	1 00	1 00	50	1 00	..	5
"	16	52	..	54	..	..	..	2 50	..	..	..	..	..	..	..	10
"	35	52	..	54	..	..	..	6 00	..	..	1 50	1 50	3 00	1 50	2	..
"	21	52	..	54	..	..	..	6 00	..	..	2 00	2 00	50	40	..	10
"	19	40	8	54	2	..	..	3 00	..	..	3 00	3 00	1 75	1 35	1	1 00
"	42	52	..	54	..	..	..	6 00	..	..	3 00	3 00	1 50	1 25	..	15
"	22	52	..	54	..	..	..	6 00	..	..	..	..	..	..	..	1
"	28	52	..	54	4	..	..	3 00	..	..	2 00	2 00	1 00	1 00	..	1
"	16	20	28	54	..	..	..	3 00	..	..	2 00	2 00	1 50	1 00	..	1
"	20	48	4	54	..	..	..	4 50	..	..	2 00	2 00	1 00	1 50	..	..
"	18	32	..	54	..	..	..	4 50	..	..	2 00	2 00	1 00	1 50	..	..
"	18	40	10	54	..	2	..	5 00	..	..	2 50	2 50	1 25	1 00	..	25
"	21	24	28	54	..	..	..	5 00	..	..	..	..	..	..	..	5
"	20	20	31	54	..	1	..	2 75	..	..	1 50	1 50	75	75	..	5
"	19	16	..	54	..	..	..	3 00	..	..	2 50	2 50	2 00	1 00	..	..
"	22	52	..	54	..	..	..	5 50	..	..	2 50	2 50	2 00	1 00	..	..
"	25	52	..	54	..	..	..	5 00	..	..	2 00	2 00	1 00	1 00	..	10
"	20	52	..	54	..	..	..	4 00	..	..	2 00	2 00	1 00	90	..	..
"	17	4	..	54	..	..	..	2 50	..	..	..	..	..	..	..	..
"	16	2	..	54	..	..	..	2 50	..	..	..	..	..	..	..	..
"	16	16	50	54	..	..	..	2 50	..	..	2 50	2 50	1 50	90	..	10
"	20	52	..	54	..	..	..	5 00	..	..	3 00	3 00	2 00	1 00	..	5
"	30	52	..	54	..	..	..	6 00	..	..	2 00	2 00	1 25	95	..	..
"	22	48	2	54	2	..	..	4 50	..	..	2 25	2 25	1 25	..	..	15
"	20	40	12	54	..	..	..	5 50	..	..	3 00	3 00	2 00	1 00	..	..
"	19	52	..	54	..	..	..	6 50	..	..	8 00	8 00	2 00	1 00	..	..
"	18	52	..	54	..	..	..	5 50	..	..	2 50	2 50	1 50	1 50	..	..
"	18	50	2	54	4	..	..	5 00	..	..	8 00	8 00	75	1 25	..	..
"	20	48	..	54	..	..	..	5 50	..	..	..	..	..	..	..	10
"	17	16	36	54	..	..	..	2 50	..	..	3 00	3 00	2 00	1 00	..	..
"	17	12	..	54	..	..	..	6 00	..	..	3 00	3 00	2 00	1 00	..	..
"	19	10	42	54	..	..	..	6 00	..	..	3 00	3 00	2 00	1 00	..	..
"	21	54	..	54	..	..	..	2 50	..	..	3 50	3 50	2 00	1 00	..	..
"	16	3	..	54	..	..	..	2 50	..	..	..	..	..	..	..	..

Shoes	American	17	52	54	2	3.00	1.00	1.00	1.00	25
17	52	54	54	54	54	54	54	54	54	54
18	52	54	54	54	54	54	54	54	54	54
19	8	54	54	54	54	54	54	54	54	54
20	52	54	54	54	54	54	54	54	54	54
21	16	54	54	54	54	54	54	54	54	54
22	52	54	54	54	54	54	54	54	54	54
23	52	54	54	54	54	54	54	54	54	54
24	52	54	54	54	54	54	54	54	54	54
25	52	54	54	54	54	54	54	54	54	54
26	52	54	54	54	54	54	54	54	54	54
27	52	54	54	54	54	54	54	54	54	54
28	52	54	54	54	54	54	54	54	54	54
29	52	54	54	54	54	54	54	54	54	54
30	52	54	54	54	54	54	54	54	54	54
31	52	54	54	54	54	54	54	54	54	54
32	52	54	54	54	54	54	54	54	54	54
33	52	54	54	54	54	54	54	54	54	54
34	52	54	54	54	54	54	54	54	54	54
35	52	54	54	54	54	54	54	54	54	54
36	52	54	54	54	54	54	54	54	54	54
37	52	54	54	54	54	54	54	54	54	54
38	52	54	54	54	54	54	54	54	54	54
39	52	54	54	54	54	54	54	54	54	54
40	52	54	54	54	54	54	54	54	54	54
41	52	54	54	54	54	54	54	54	54	54
42	52	54	54	54	54	54	54	54	54	54
43	52	54	54	54	54	54	54	54	54	54
44	52	54	54	54	54	54	54	54	54	54
45	52	54	54	54	54	54	54	54	54	54
46	52	54	54	54	54	54	54	54	54	54
47	52	54	54	54	54	54	54	54	54	54
48	52	54	54	54	54	54	54	54	54	54
49	52	54	54	54	54	54	54	54	54	54
50	52	54	54	54	54	54	54	54	54	54
51	52	54	54	54	54	54	54	54	54	54
52	52	54	54	54	54	54	54	54	54	54
53	52	54	54	54	54	54	54	54	54	54
54	52	54	54	54	54	54	54	54	54	54
55	52	54	54	54	54	54	54	54	54	54
56	52	54	54	54	54	54	54	54	54	54
57	52	54	54	54	54	54	54	54	54	54
58	52	54	54	54	54	54	54	54	54	54
59	52	54	54	54	54	54	54	54	54	54
60	52	54	54	54	54	54	54	54	54	54
61	52	54	54	54	54	54	54	54	54	54
62	52	54	54	54	54	54	54	54	54	54
63	52	54	54	54	54	54	54	54	54	54
64	52	54	54	54	54	54	54	54	54	54
65	52	54	54	54	54	54	54	54	54	54
66	52	54	54	54	54	54	54	54	54	54
67	52	54	54	54	54	54	54	54	54	54
68	52	54	54	54	54	54	54	54	54	54
69	52	54	54	54	54	54	54	54	54	54
70	52	54	54	54	54	54	54	54	54	54
71	52	54	54	54	54	54	54	54	54	54
72	52	54	54	54	54	54	54	54	54	54
73	52	54	54	54	54	54	54	54	54	54
74	52	54	54	54	54	54	54	54	54	54
75	52	54	54	54	54	54	54	54	54	54
76	52	54	54	54	54	54	54	54	54	54
77	52	54	54	54	54	54	54	54	54	54
78	52	54	54	54	54	54	54	54	54	54
79	52	54	54	54	54	54	54	54	54	54
80	52	54	54	54	54	54	54	54	54	54
81	52	54	54	54	54	54	54	54	54	54
82	52	54	54	54	54	54	54	54	54	54
83	52	54	54	54	54	54	54	54	54	54
84	52	54	54	54	54	54	54	54	54	54
85	52	54	54	54	54	54	54	54	54	54
86	52	54	54	54	54	54	54	54	54	54
87	52	54	54	54	54	54	54	54	54	54
88	52	54	54	54	54	54	54	54	54	54
89	52	54	54	54	54	54	54	54	54	54
90	52	54	54	54	54	54	54	54	54	54
91	52	54	54	54	54	54	54	54	54	54
92	52	54	54	54	54	54	54	54	54	54
93	52	54	54	54	54	54	54	54	54	54
94	52	54	54	54	54	54	54	54	54	54
95	52	54	54	54	54	54	54	54	54	54
96	52	54	54	54	54	54	54	54	54	54
97	52	54	54	54	54	54	54	54	54	54
98	52	54	54	54	54	54	54	54	54	54
99	52	54	54	54	54	54	54	54	54	54
100	52	54	54	54	54	54	54	54	54	54

TABLE IVc — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Shoes	American	17	51	54			1	6 00			4 50		1 00	1 00		
"	"	17	52	54				3 00			1 50			75		
"	"	16	40	54			3	3 00			2 25		25	50		
"	"	*18	28	54			2	3 00			2 00		50	50		
"	"	16	52	54				3 50			1 50		1 00	1 00		
"	"	16	52	54				9 00			2 50		3 00	2 00		1 50
"	"	25	52	54				9 00			2 30		4 00	2 50	1	
"	"	26	36	54				5 00			3 00		1 00	1 00		
"	"	30	52	54				6 00			2 50		2 50	1 00		
"	"	25	40	54	3		3	6 00								
"	"	21	40	54				6 00								
"	"	25	52	54				6 00			2 50		3 00	3 00		
"	"	28	19	54				6 00					2 00	1 50	2	
"	"	38	50	54				8 00			3 00			1 75		1 25
"	"	29	52	54	2			8 00			2 00		75	65		10
"	"	17	50	54			2	3 50								
"	"	17	18	54			4	3 50								
"	"	17	8	54			3	6 00								
"	"	32	49	54			3	6 00			3 25		1 25	1 50	1	
"	"	21	50	54			11	5 90			2 50		1 50	1 50	1	
"	"	43	41	54				5 50			2 25		1 00	75		
"	"	18	52	54				4 00					3 00	3 00		2 00
"	"	30	12	54				8 00								
"	"	24	44	54	8			3 25			5 00			2 00		
"	"	*17	24	54			4	7 00								
"	"	32	52	54	16			2 00								
"	"	*17	16	54				4 50			1 50	1 00	1 00	1 50		
"	"	19	24	54				5 00			2 00		1 00	1 50		50
"	"	21	6	54			3	5 00			1 00		50	50		
"	"	22	28	54				2 00			1 00					
"	"	*19	1	54				2 00								
"	"	*16	1	54				2 00								
"	"	17	2	54				5 00			2 00		1 00	1 75		25
"	"	20	12	54				2 75								
"	"	20	52	54				2 75								

[illegible]

TABLE IVc — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Shoes	American	26	52	...	54	...	...	...	6 00	...	...	2 50	...	2 00	40	...	10
"	"	23	3	47	54	2	...	...	5 00	...	...	...	...	2 25	25	...	10
"	"	20	2	50	54	...	...	...	5 00	...	...	...	...	2 25	25	...	50
"	"	21	48	...	54	4	...	...	4 50	...	...	...	...	2 25	25	...	...
"	"	23	51	...	54	1	...	...	4 95	...	...	2 50	...	1 50	1 25	...	...
"	"	22	3	49	54	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	19	32	18	54	2	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	20	52	...	54	...	...	...	3 30	...	...	3 00	...	2 00	1 00	...	...
"	"	22	52	...	54	...	...	...	6 00	...	...	3 00	...	2 00	1 00	...	...
"	"	21	52	...	54	...	...	...	4 25	...	...	2 50	...	75	75	...	2 00
"	"	18	52	...	54	...	...	...	4 00	...	...	2 50	...	50	50	...	...
"	"	21	8	44	54	...	...	...	3 00	...	...	2 00	...	50	50	...	...
"	"	16	12	40	54	...	...	...	2 30	...	...	2 00	...	50	50	...	...
"	"	16	2	50	54	...	...	...	4 00	...	...	3 00	...	50	50	...	...
"	"	16	52	...	54	...	...	...	4 00	...	...	2 00	...	1 00	1 00	...	...
"	"	19	20	12	54	20	...	...	2 50	...	...	2 00	...	1 00	1 00	...	...
"	"	16	24	...	54	...	...	...	2 50	...	...	1 25	...	1 25	1 25	...	...
"	"	16	12	40	54	...	...	...	2 50	...	...	1 25	...	75	50	...	...
"	"	28	44	...	54	8	...	...	9 00	...	...	8 00	...	8 00	2 85	...	15
"	"	23	28	22	54	2	...	...	4 00	...	...	...	...	...	...	...	...
"	"	*16	12	...	54	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*37	3	...	54	...	...	...	2 50	...	...	...	...	...	...	...	...
"	"	23	52	...	54	8	...	...	6 00	...	...	3 00	...	1 00	1 00	...	1 00
"	"	22	44	...	54	3	...	...	4 50	...	...	...	...	...	...	...	...
"	"	18	49	...	54	8	...	...	3 50	...	...	...	...	...	...	...	...
"	"	22	52	...	54	...	...	...	6 00	...	...	...	...	...	...	...	...
"	"	21	52	...	54	...	...	...	3 50	...	...	...	...	...	...	...	...
"	"	18	52	...	54	...	...	...	4 50	...	...	2 50	...	1 50	1 00	...	...
"	"	17	52	...	54	...	...	...	5 00	...	...	...	...	...	...	...	...
"	"	17	40	...	54	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	18	16	36	54	...	...	...	2 50	...	...	2 00	...	1 00	1 00	...	...
"	"	19	52	...	54	...	...	...	4 00	...	...	2 00	...	1 25	1 25	...	...
"	"	20	30	...	54	2	...	...	4 00	...	...	2 50	...	1 00	1 50	...	...
"	"	16	36	16	54	...	...	...	5 00	...	...	...	...	1 00	1 50	...	...

[illegible]

TABLE IVe — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Shoos	American	17	52	...	54	...	...	...	\$5.50	...	...	...	\$1.50	...	...	\$2.00	...	...
"	"	17	29	32	54	...	...	...	4.50	...	...	...	2.00	...	...	1.50	...	...
"	"	18	52	...	54	...	...	...	3.00	...	...	...	1.00	...	...	2.25	...	...
"	"	*27	3	...	54	...	...	...	3.00	...	...	...	1.00	...	...	50	...	...
"	"	16	52	...	54	...	...	...	4.50	...	...	...	...	...	...	...	...	...
"	"	16	36	16	54	...	...	...	3.50	...	...	...	1.80	...	...	1.00	...	...
"	"	30	10	42	54	...	...	...	3.00	...	...	...	3.00	...	...	2.00	...	...
"	"	36	52	...	54	...	...	...	3.00	...	...	...	2.00	...	...	1.00	...	...
"	"	32	52	...	54	...	...	...	3.00	...	...	...	2.00	...	...	2.00	...	...
"	"	17	52	...	54	...	...	...	3.00	...	...	...	2.00	...	...	...	...	...
"	"	*17	20	...	54	...	...	...	3.00	...	...	...	1.00	...	...	50	...	...
"	"	*28	4	...	54	...	...	...	2.00	...	...	...	2.00	...	...	1.00	...	...
"	"	17	27	25	54	...	...	...	7.50	...	...	...	3.00	...	...	2.00	...	...
"	"	30	52	...	54	...	...	...	7.00	...	...	...	3.00	...	...	2.00	...	...
"	"	22	52	...	54	...	...	...	2.75	...	...	...	1.25	...	...	75	...	...
"	"	21	10	42	54	...	4	...	3.00	...	...	...	2.50	...	...	1.50	...	...
"	"	19	16	36	54	...	...	...	3.00	...	...	...	2.50	...	...	1.50	...	...
"	"	19	52	...	54	...	...	...	5.00	...	...	...	2.50	...	...	1.00	...	...
"	"	18	52	...	54	...	...	...	5.00	...	...	...	2.50	...	...	1.00	...	...
"	"	*25	2	...	54	...	...	...	2.00	...	...	...	...	...	...	1.50	...	...
"	"	16	52	...	54	...	...	...	7.00	...	...	...	...	...	...	...	...	...
"	"	*16	2	...	54	...	...	...	2.00	...	...	...	...	...	...	...	...	...
"	"	17	20	30	54	...	...	...	4.50	...	...	...	2.25	...	...	1.25	...	...
"	"	19	40	12	54	...	2	...	4.00	...	...	...	2.00	...	...	1.00	...	...
"	"	30	12	40	54	...	...	...	3.00	...	...	...	1.50	...	...	75	...	...
"	"	32	4	47	54	...	1	...	2.25	...	...	...	...	...	...	...	...	...
"	"	*16	2	...	54	...	...	...	2.50	...	...	...	...	...	...	...	...	...
"	"	16	1	51	54	...	...	...	3.00	...	...	...	...	...	...	...	...	...
"	"	18	52	...	54	...	...	...	6.00	...	...	...	1.00	...	...	75	...	...
"	"	*29	20	...	54	...	...	...	2.75	...	...	...	1.00	...	...	1.00	...	...
"	"	30	52	...	54	...	...	...	6.00	...	...	...	2.50	...	...	2.00	...	...
"	"	25	52	...	54	...	...	...	5.00	...	...	...	2.50	...	...	1.50	...	...
"	"	33	40	12	54	...	...	...	5.50	...	...	...	...	...	...	1.00	...	...
"	"	*40	10	...	54	...	...	...	3.50	...	...	...	...	...	...	1.00	...	...

TABLE IVe — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.	
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income oth- er than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Oth- er nec- essaries.				
Shoes	American	16	8	44	54				\$2 50		\$2 00		\$0 25	\$0 25		.....	.....	2 00
"	"	21	32	20	54				1 50		2 00		1 50	1 50		.....	.....
"	"	19	32	20	54				50		2 00		75	40		.....	.....
"	"	25	52		54				50		3 50		40	50		.....	.....
"	"	23	52		54				50		2 00		1 00	1 00		.....	.....
"	"	18	52		54				50		2 25		1 00	50		.....	.....
"	"	23	52	21	54				50		5 00					.....	.....
"	"	25	52		54				50		5 00					.....	.....
"	"	18	8	44	54				50		5 00					.....	.....
"	"	*18	8		54				50		5 00					.....	.....
"	"	23	52		54				50		5 00					.....	.....
"	"	35	32		54				50		5 00					.....	.....
"	"	25	52		54				50		5 00					.....	.....
"	"	17	52	15	54			24	50		2 00		2 00	2 00		.....	.....
"	"	17	36	15	54	1			50		2 00		1 00	1 00		.....	.....
"	"	18	1	51	54				50		2 00		25	25		.....	.....
"	"	*18	4	51	54				50		1 75		25	25		.....	.....
"	"	16	16	24	54				50		1 00		1 00	75		.....	.....
"	"	28	16		54	1			50		1 00		1 00	75		.....	.....	25+
"	"	21	52		54				50		3 00		1 00	1 00		.....	.....
"	"	23	52		54				50		3 00		2 75	2 00		.....	.....
"	"	27	52		54				50		3 50		1 25	1 25		.....	.....
"	"	22	32	20	54				50		1 00		75	75		.....	.....
"	"	16	32	20	54				50		1 50		75	75		.....	.....
"	"	*16	52		54				50		2 25		50	50		.....	.....
"	"	16	8		54				50		2 25		50	50		.....	.....
"	"	15	36	16	54				50		2 00		1 50	1 50		.....	.....
"	"	18	52		54				50		2 00		1 50	1 50		.....	.....
"	"	41	52		54				50		2 00		1 50	1 50		.....	.....
"	"	33	52		54				50		1 50		50	50		.....	.....
"	"	20	52		54				50		1 50		50	50		.....	.....
"	"	27	16	36	54				50		2 00		50	50		.....	.....
"	"	23	52		54				50		2 00		50	50		.....	.....
"	"	20	16	36	54				50		2 00		50	50		.....	.....

TABLE IVc — WORKING WOMEN — PORTSMOUTH — Continued.

Occupation.		Nativity.		No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
Present occupa- tion.			Other occupa- tions.		Hours of labor per week.	Througk sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Shoes	American	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
"	"	52	52	54	54	54	54	54	54	54	54	54	54	54	54	54	54	

[illegible]

TABLE IVe — WORKING WOMEN — PORTSMOUTH — Concluded.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Shoes	American	19	36	16	54			\$3.00			3.50		2.50	1.50			
"	"	24	52	54	54			7.00			2.00		1.00	1.00			
"	"	20	36	13	54	3		4.00									
"	"	18	52		54			4.00									
"	"	19	52		54			5.00									
"	"	29	52		54			5.00			3.00		3.00	2.00			
"	"	22	52		54			4.50			2.00		1.50	1.00			
"	"	26	52		54			5.00			2.00		1.50	1.00			
"	"	23	52		54			5.00			2.50		2.50	2.50			
"	"	20	52		54			7.50			3.50		2.00	2.00			
"	"	16	12	40	54			2.00			3.50		2.00	2.00			
"	"	*16	3	54				2.00									
"	"	17	52		54			3.00									
"	"	24	52		54			4.50									
"	"	15	52		54			4.00			1.25		2.00	2.00			
"	"	17	28	24	54			3.00					1.00	75			
"	"	*25	28	22	54	2		2.50									
"	"	25	50		54			2.00									
"	"	27	50		54			4.50			4.00			40			
"	"	15	48		54			2.50			1.25		75	50			
"	"	19	38	12	54			3.50									
"	"	37	49		54			3.00			5.00		1.00	1.00			
"	"	17	12	40	54			4.00		4.00	2.00		2.00	95			
"	"	20	46		54			3.50			2.00		1.00	50			
"	"	21	46		54			6.00			2.00		2.00	1.25			
"	"	29	40		54	12		6.00			2.00		2.00	2.00			
"	"	17	24	24	54			4.00									
"	"	17	50		54			4.75			2.00		2.00	75			
"	"	20	49		54			4.50			2.50		3.00	1.50			
"	"	21	48		54	2		2.50			1.00		1.00	50			
"	"	27	16	34	54			4.00			2.75		75	50			
"	"	*16	50		54			4.00			2.00		1.00	1.00			
"	"	*19	20		54			3.00			1.50		75	75			
"	"	*17	2	12	54			3.00			2.00		1.00	1.00			
"	"	17	50		54			4.00			2.00		1.00	1.00			
"	"	*18	24		54			4.00			2.00		1.50	1.00			

TABLE IVf—WORKING WOMEN — PORTSMOUTH.

Occupation.	Nativity.	Age.	No. of weeks employed.		No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.	
Telephone operators.....	American	27	51	.....	60	1	.....	1	\$8 25	.....	.....	.....	.....	.....	.....	.....
"	"	20	51	.....	60	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....
"	"	20	8	44	60	.....	.....	.....	8 75	.....	.....	\$2 00	.....	\$2 75	\$1 00	.....
"	"	*18	24	.....	60	1	.....	.....	8 75	.....	.....	2 00	.....	1 00	75	.....
"	"	19	51	.....	60	.....	.....	1	8 75	.....	.....	.....	.....	1 00	75	.....
"	"	*19	36	.....	60	.....	.....	.....	8 75	.....	.....	.....	.....	2 00	1 75	.....
"	"	*20	36	.....	60	1	.....	.....	8 75	.....	.....	.....	.....	2 00	1 75	.....
"	"	20	51	.....	60	.....	.....	1	4 50	.....	.....	.....	.....	2 50	2 00	.....
"	"	21	51	.....	60	.....	.....	1	4 50	.....	.....	.....	.....	2 00	2 00	.....
"	"	26	1	51	60	.....	.....	.....	5 00	.....	.....	2 00	.....	1 50	1 00	.....
"	"	19	51	.....	60	.....	.....	.....	4 50	.....	.....	8 00	.....	1 00	1 00	.....
"	"	21	51	.....	60	.....	.....	1	5 00	.....	.....	.....	.....	2 00	1 75	.....
"	"	*20	16	.....	60	.....	.....	.....	8 75	.....	.....	.....	.....	2 50	1 25	.....
"	"	*21	36	.....	60	.....	.....	.....	8 75	.....	.....	.....	.....	1 75	2 00	.....
"	"	*20	24	.....	60	1	.....	.....	8 75	.....	.....	.....	.....	2 00	.....	.....
"	"	20	3	49	60	.....	.....	.....	6 25	.....	.....	.....	.....	.....	.....	.....
"	"	43	51	.....	60	.....	.....	.....	4 50	.....	.....	.....	.....	.....	.....	.....
"	"	43	51	.....	60	.....	.....	1	4 50	.....	.....	.....	1 00	2 00	1 50	.....
"	"	25	51	.....	60	.....	.....	.....	4 75	.....	.....	.....	.....	.....	.....	.....
"	"	19	51	.....	60	.....	.....	1	4 50	.....	.....	2 00	.....	1 50	1 00	.....
"	"	20	32	90	60	.....	.....	.....	4 50	.....	.....	2 00	.....	1 50	85	.....
"	"	20	33	19	60	.....	.....	.....	4 50	.....	.....	2 50	.....	1 00	80	.....
"	"	21	12	40	60	.....	.....	.....	3 00	.....	.....	.....	.....	1 75	1 25	.....
"	"	19	4	48	60	.....	.....	.....	2 00	.....	.....	3 00	.....	1 00	1 00	.....
"	"	19	51	.....	60	.....	.....	1	5 00	.....	.....	.....	.....	1 00	1 00	.....
"	"	20	16	36	60	.....	.....	.....	5 00	.....	.....	.....	.....	1 00	1 00	.....
Totals and averages..	.....	21	34.3	11.8	60	.1	.....	.5	\$4 37	.....	.....	\$1 13	\$0 05	\$1 67	\$0 96	\$0 43

* Began work during year covered by investigation.

† Gave earnings to parents.

SPRINGFIELD.

CIGARS.

In several of the factories but three or four girls are employed. In one of those, it is said, the work room is uncomfortably cold on winter mornings, and the room is not warm until nearly noon. The factory employing the largest number of girls was started only five months previous to the time when the canvass was made.

The girls speak well of their employer. The factory is new, clean and comfortable. Some of the girls work only nine and a half hours a day. The new girls are paid one dollar and a half a week. It is said a good roller at this factory can make nine dollars a week.

CORE-MAKING.

This line of work for women is criticised by many, for the reason that it is regarded as men's work; another reason is, that the work is so uncleanly. A room is set aside for the women who are engaged as coreworkers. Stools are provided in case they may care to sit, but few take advantage of this opportunity, as the work progresses faster when standing. The superintendent commends the work of the girls, saying he prefers them as coremakers to boys because they are more faithful. After the boys become proficient they are anxious to be advanced, while girls are content to continue at the same work. Outsiders contend the reason is because the girls will work for less wages.

The foundry is heated by steam and hot air. A small wooden platform is arranged for the girls to stand on, rather than on the brick floor. A dressing room is provided with toilet facilities, where the girls may change their clothes on going to work. The manager has arranged that the girls quit work ten minutes before the men, in order that they may get away before the men come out. This prevents, also, the overcrowding of cars and the delay in getting off. There are four departments where the girls are employed, each department with a separate dressing room. The hours are from 6:30 A. M. to 5 P. M., with three-quarters of an hour at noon.

The girls say a disagreeable feature is in winter when the sand freezes, and they are compelled to waste time while waiting for it to thaw, and frequently work in the frozen sand.

The belt department furnishes a pleasant line of work, consisting of the making of the covers by machine, and tacking on the same. The manager states that the women drive the tacks more evenly than boys.

LAUNDRIES.

The conditions of the majority of the laundries were found to be good. Roomy, cleanly; the light, heat and ventilation all that could be expected. At one of the establishments it is a little crowded, and the conditions could be improved by larger quarters. The employees universally speak well of their employer, and also of the surroundings, saying all is done that can be in order to make the work as easy and agreeable as possible.

It is not often that night work is required. When required, ten cents an hour is the price paid by some laundries; at others, the same as day rates. On occasions, the manager sends out for supper for those delayed by night work. Many of the girls have been with the same establishment from ten to twenty years. The hours of labor vary in the different laundries. The girls are permitted to go home when their work is finished, which is frequently by three or four o'clock.

Work seldom begins before nine o'clock on Monday, with a short Saturday afternoon. Rooms are provided where the girls may change their wearing apparel when coming to work, and before leaving.

PRINTING AND BINDING.

The work in the publishing house is regarded as pleasant compared with other lines of work. The wages are fair in some cases, good in others, the unfortunate feature is that the work does not continue throughout the entire year. A few are retained, but the work varies so that the majority of the girls are out of employment from one to seven months in the year. Some find employment to fill up the time, which would otherwise be lost; others remain at home. While out of employment, some of those who live at home are not expected to pay board.

In the largest publishing house about seventy-five women and girls are employed. The number varies. The hours are nine for five days, and eight on Saturday. There are various departments of work in the publishing house, the mailing department, subscription department, circulation department and mail opening department.

In one of the establishments the fire escape is very inadequate, and no elevator is provided for the girls who climb three flights of stairs. Although, it is regarded as the finest establishment in Springfield for women wage-earners.

SUSPENDERS.

Here the work could be made lighter by the use of power in operating the machines. The girls are compelled to use foot power, which is hard on the constitution, as well as retards the progress of their work. The hours are from 7 A. M. to 5:30 P. M., with an hour at noon. The manager is willing for the girls to stay at the factory during the noon hour, but urges them, if possible, to go home, as he insists the exercise and change is better for them in every way.

The girls are started at \$1.50 per week, and advanced as their work may justify. The work is cleanly, and not unattractive, and a good class of work is turned out. If the work is not pressing, the girls are allowed considerable latitude in the hours they see fit to put in, which is at their own time and expense. There is no night work.

TELEPHONE OPERATORS.

The hours per day for the regular operators are ten, and seven for the relief girls. Every third Sunday, the operator has the day off, with a half day at the exchange the other three Sundays, at thirty-eight cents for the half day. There are two night operators, and one for toll service.

There are fifty-seven girls in all. No girl under eighteen is employed, if her age is known by the manager. Lockers are provided for the wearing apparel, and a dining-room with table, chairs and dishes. Coffee and tea, milk, sugar, pepper and salt are provided by the management, and a colored assistant to keep the rooms in order. Several couches are provided, and the girls are allowed half an hour off duty during the morning and afternoon, aside from the hour for the noon luncheon. The rooms are comfortable in winter, and supplied with electric fans in the summer.

TABLE V — WORKING WOMEN — SPRINGFIELD.

Giving Total Number Interviewed in Each Occupation, Average Age, Average Number Weeks Employed, Average Hours of Labor per Week, Average Number of Weeks Idle, Average Weekly Wages and Income, Average Living Expenses per Week, Total Number of Dependents, and Average Weekly Savings for Year 1901.

Occupation.	Total No. interviewed.	Average age.	Average No. of weeks employed.			Average No. of weeks idle.			Average weekly wages and income.			Average living expenses per week.				Total No. of dependents.	Average weekly savings
			Present occupation.	Other occupations.	Hours of labor per week.	Through sickness.	Non-employment.	Strikes and other causes.	Average wages per week.	Wages of males, same labor.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Cigars	30	19	17.5	21.9	60	.....	.....	.....	.....	.....	\$0 94	\$0 02	\$0 99	\$1 14	1	\$0 17
Coffins and burial cases.....	31	26	36.8	9.6	60	.....	.....	4 60	.....	.....	1 21	03	1 53	1 42	6	27
Core making	84	22	32.3	8.6	60	.....	4.8	5 23	.....	.....	1 88	10	1 42	1 43	6	08
Laundries	56	27	44.2	4	56.6	.2	.....	4 68	.....	.....	1 78	06	1 17	1 17	39	07
Printing and binding.....	92	24	37.3	2.9	51.2	.....	6.2	5 52	.....	.....	1 55	05	1 71	1 73	14	25
Suspenders	11	19	40.7	2.2	57	.....	.....	3 93	.....	.....	2 13	.....	1 41	1 16	.....	.....
Tags, labels and seals.....	24	19	20.4	14.9	60	.....	.....	3 27	.....	.....	87	.....	1 22	1 18	.....	04
Telephone operators	49	22	35.9	6.8	60	.....	.....	4 53	.....	.....	1 34	08	1 63	1 48	2	06
Totals and averages.....	377	23	34.2	7.9	57.2	.....	2.6	\$4 75	.....	.....	\$1 53	\$0 06	\$1 44	\$1 42	68	\$0 14

TABLE VI—SPRINGFIELD.

Giving Occupation, Nativity, Age, Number Weeks Employed, Hours of Labor per Week, Number Weeks Idle, Weekly Wages and Income, Living Expenses per Week, Number of Dependents and Average Weekly Savings for Year 1901.

TABLE VIa—WORKING WOMEN—SPRINGFIELD.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Cigars	American	52	52	60	60	60	60	\$3 00	.....	.....	\$2 00	.....	\$0 50	\$0 50	.....	.....
"	"	25	52	60	60	60	60	2 75	.....	.....	2 00	.....	50	50	.....	.....
"	"	17	36	16	60	60	60	2 00	.....	.....	1 00	.....	75	1 00	.....	.....
"	"	*16	2	.....	.....	.....	.....	3 50	.....	.....	.....	.....	1 00	1 00	.....	.....
"	"	17	52	60	60	60	60	3 00	.....	.....	.....	.....	1 00	1 50	.....	.....
"	"	*18	12	60	60	60	60	2 50	.....	.....	.....	.....	1 00	1 50	.....	.....
"	"	8	44	60	60	60	60	2 50	.....	.....	.....	.....	1 00	1 25	.....	.....
"	"	*16	16	36	60	60	60	2 25	.....	.....	.....	.....	1 00	1 00	.....	.....
"	"	17	20	32	60	60	60	2 50	.....	.....	.....	.....	1 00	1 00	.....	.....
"	"	17	16	36	60	60	60	2 75	.....	.....	1 00	.....	75	1 00	.....	.....
"	"	17	20	32	60	60	60	1 50	.....	.....	.....	.....	1 50	2 00	.....	.....
"	"	16	2	50	60	60	60	4 00	.....	.....	.....	.....	2 00	2 25	.....	50
"	"	16	8	44	60	60	60	4 00	.....	.....	.....	.....	1 00	1 75	.....	.....
"	"	18	16	36	60	60	60	3 25	.....	.....	.....	.....	2 00	1 25	.....	.....
"	"	16	36	60	60	60	60	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	16	20	32	60	60	60	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....
"	"	17	12	40	60	60	60	5 25	.....	.....	2 00	.....	1 00	1 25	.....	.....
"	"	*18	16	20	60	60	60	3 50	.....	.....	1 50	.....	1 00	1 60	.....	1 00
"	"	*17	20	60	60	60	60	2 00	.....	.....	.....	.....	1 00	1 00	.....	.....
"	"	33	12	40	60	60	60	3 00	.....	.....	1 50	.....	1 00	1 00	.....	.....
"	"	*16	12	60	60	60	60	2 50	.....	.....	.....	.....	50	1 00	.....	.....
"	"	24	20	32	60	60	60	2 50	.....	.....	.....	.....	.....	1 00	.....	.....
"	"	*16	8	.....	.....	.....	.....	1 35	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*16	12	60	60	60	60	5 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*16	1	.....	.....	.....	.....	5 00	.....	.....	1 50	.....	50	1 00	.....	2 00
"	"	19	16	36	60	60	60	8 00	.....	.....	1 25	.....	75	1 00	.....	.....
"	"	26	20	32	60	60	60	2 50	.....	.....	1 00	.....	1 00	50	.....	.....
"	"	21	10	42	60	60	60	2 50	.....	.....	.....	.....	.....	.....	.....	.....
"	"	26	6	46	60	60	60	2 00	.....	.....	.....	.....	.....	.....	.....	.....
"	"	*18	8	60	60	60	60	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals and averages..	.....	19	17.5	21.9	60	.....	.....	\$3 14	.....	.....	\$0 94	\$0 02	\$0 99	\$1 14	1	\$0 17

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VIIb — WORKING WOMEN — SPRINGFIELD.

Occupation.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Coffins and burial cases..	30	52	...	60	60	...	...	\$19 00	...	...	\$4 00	...	\$2 00	\$1 50	...	\$2 50
"	31	52	...	60	60	...	...	6 00	...	...	2 00	...	2 00	2 00	1	...
"	35	52	...	60	60	...	...	5 00	...	...	2 00	...	1 50	2 00	...	2 00
"	23	52	...	60	60	...	...	7 50	...	...	...	...	...	...	...	50†
"	32	52	...	60	60	...	...	6 00	...	...	...	...	...	...	...	1 00†
"	30	52	...	60	60	...	...	7 00	...	...	1 00	...	2 00	1 50	...	50
"	30	52	...	60	60	...	...	5 00	...	...	2 00	...	1 00	2 00	...	...
"	25	52	...	60	60	...	...	5 00	...	...	2 00	...	2 50	2 50	...	...
"	22	52	...	60	60	...	...	5 00	...	...	...	...	...	...	...	...
"	17	16	...	60	60	...	...	5 00	...	...	...	...	...	...	...	...
"	20	16	36	60	60	...	...	4 50	...	...	...	...	2 00	2 50	...	1 00
"	*16	36	...	60	60	...	...	5 50	...	...	...	...	1 50	1 50	...	...
"	18	3	49	60	60	...	...	3 00	...	...	1 50	...	2 00	1 25	...	...
"	20	52	...	60	60	...	...	4 75	...	...	...	...	2 00	...	...	...
"	*17	12	...	60	60	...	...	2 95	...	...	...	...	2 00	...	...	...
"	17	20	32	60	60	...	...	3 50	...	...	1 50	...	2 00	1 50	...	...
"	*17	12	...	60	60	...	...	2 95	...	...	...	...	85	...	...	...
"	16	3	49	60	60	...	...	2 95	...	...	1 50	...	50	1 00	...	75
"	22	52	...	60	60	...	...	4 25	...	...	...	...	2 00	1 00	...	...
"	22	2	50	60	60	...	...	3 00	...	...	...	...	2 00	...	...	...
"	30	5	47	60	60	...	...	2 95	...	...	2 00	...	1 00	50	...	...
"	20	52	...	60	60	...	...	3 00	...	...	1 50	...	75	75	...	...
"	19	16	36	60	60	...	...	3 00	...	...	...	...	...	...	...	...
"	*20	12	...	60	60	...	...	2 95	...	...	2 00	...	75	1 00	...	...
"	26	52	...	60	60	...	...	3 75	...	...	...	...	...	...	...	...
"	26	52	...	60	60	...	...	4 80	...	...	...	...	...	...	...	...
"	55	52	...	60	60	...	...	5 40	...	...	...	...	...	...	...	...
"	23	52	...	60	60	...	...	8 75	...	...	2 00	...	75	1 00	...	...
"	22	52	...	60	60	...	...	3 75	...	...	...	...	1 75	2 00	...	...
"	44	52	...	60	60	...	...	5 00	...	...	...	...	...	...	...	...
"	50	52	...	60	60	...	...	4 75	...	...	...	...	...	...	...	...
Totals and averages..	26	36.8	9.6	60	...	...	...	\$4 60	...	...	\$1 21	\$0 03	\$1 53	\$1 42	6	\$0 27

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VII — WORKING WOMEN — SPRINGFIELD.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Laundries	American	25	52		60				\$5 00									
"	"	25	52		60				4 50					\$2 25	\$2 25			
"	"	21	52		60				4 50					1 50	1 50			
"	"	25	52		60				4 50			\$2 00						
"	"	29	52		60				5 00								4	
"	"	24*	20		60				5 00			2 50		1 25	1 25		3	
"	"	21	52		54				5 00									
"	"	20	52		54				4 00									
"	"	21	52		54				3 00									
"	"	22	52		54				3 00									
"	"	18	52		54				5 00									
"	"	22	52		54				6 00									
"	"	25	52		54				3 00			1 50		75	75			
"	"	17*	21		54				4 00					2 00	2 00			
"	"	29*	3		54				3 00			1 50		1 50	1 50			
"	"	21	28		54				5 00			2 00		1 50	1 50			
"	"	28	52		54				5 00			2 00		1 50	1 50			
"	"	25	52		54				5 00									
"	"	26	52		54				5 00									
"	"	33	52		54				5 00			2 00		1 50	1 50		3	
"	"	25	52		54				5 00									
"	"	25	52		54				5 00			1 00	1 00	1 50	1 50		1	
"	"	45	52		54				5 00			1 00		1 50	1 50		2	
"	"	38	52		54				5 00									
"	"	43	52		54				12 00			1 50		1 00	1 00			
"	"	17	52		54				3 50			1 50		1 00	1 00			
"	"	21	24	28	54				3 25			1 25		1 00	75			
"	"	16	24	28	54				3 00			2 00		50	50			
"	Russian	36	52		54				4 00			2 00					3	
"	American	18	52		54				4 00			2 00		1 00	1 00			
"	"	31	52		54				3 75			3 00		2 00	1 75			
"	"	18	52		54				4 00					50	50			
"	"	38	52		54				5 00					2 00	2 00		4	
"	"	20	32	20	54				4 00			2 00		2 00	1 25			
"	American	20	39	20	54	13			4 25			3 00		1 50	1 50			
"	"	38	52		60				7 00			3 00						1 50

Laundries	38	52	60	\$6.00	\$2.00	\$1.00	\$1.00	\$1.00	2	†
"	28	52	60	4.00	\$2.00	\$1.00	\$1.00	\$1.00	2	†
"	30	52	60	6.00						1.00
"	18	32	60	3.50						
"	34	52	20	7.00						1.50
"	22	52	60	5.00	4.00	1.00	1.00	1.00		
"	21	52	60	3.50	3.00	1.00	1.00	1.00		
"	20	52	60	4.00						
"	20	52	60	4.50						
"	20	52	60	3.50	3.50	.50	.50	.50		
"	23	52	60	4.50	1.00	1.00	1.00	1.00		
"	45	52	60	6.00					2	
"	42	24	28	6.00					4	
"	33	24	28	4.50					6	
"	20	32	20	4.50					2	
"	30	2	50	6.00	2.50	1.00	1.00	1.00		
"	*45	28	60	0.00						
"	17	28	60	0.00	2.00	1.50	1.50	1.50		
"	24	52	54	3.00	2.00	.50	.50	.50		
"	*16	24	54	4.50	2.25	1.00	1.00	1.25		
"	23	52	54	3.00	1.50	.75	.75	.75		
"	23	52	54	4.00	2.00	1.00	1.00	1.00		
Totals and averages..	27	44.2	4	\$1.03	\$1.78	\$0.06	\$1.17	\$1.17	39	\$0.07

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VIIe—WORKING WOMEN—SPRINGFIELD.

Occupation.	Nativity.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
		Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Thorough sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Printing and binding....	American	52		48			12	\$24.00			\$6.00		\$4.00	\$7.75	.....	\$6.25
"	"	38	40	48			12	8.00			4.00		2.00	2.00	.....
"	"	31	40	48			12	7.00						1.00	2	
"	"	31	40	48			12	7.00			2.00	\$1.00	2.50	1.75	.....
"	"	28	40	48			12	5.00				.75			.....
"	"	19	36	48			16	7.00			2.50		1.50	2.00	.....
"	"	22	36	48			16	5.00			2.00		1.50	1.50	.....
"	"	21	40	48			16	5.00			2.00		1.50	1.00	.....
"	"	22	36	48			32	4.75					1.75	1.00	.....
"	"	26	20	48			12	6.00			2.50		1.50	1.50	.....
"	"	24	40	48			12	6.00			2.50		2.00	1.50	.....
"	"	21	40	48			16	5.00			3.00		2.00	2.50	.....
"	"	19	36	48			12	7.00					2.00	2.00	.....
"	"	23	40	48			12	8.00			3.00		2.00	2.00	.....
"	"	29	40	48			16	4.75			2.00		1.50	1.25	1	
"	"	35	36	48			16	5.00			2.00		2.00	2.50	.....
"	"	30	32	48			20	6.00			2.00		2.00	2.00	.....
"	"	20	32	48			20	10.00							.....
"	"	29	52	48											.....
"	"	18	16	48				4.50							.....
"	"	*20	5	48				4.50							.....
"	"	18	40	48			12	5.00			1.25		2.00	1.75	.....
"	"	20	40	48			12	5.00					2.00	2.00	.....	1.00
"	"	21	42	48			10	5.40							.....
"	"	19	42	48			10	5.40					1.40	2.00	.....
"	"	20	48	48				4.50			2.00		1.50	1.00	.....
"	"	36	16	48	4			4.50			2.00				.....
"	"	25	20	48	32			5.40							.....
"	"	22	40	48				5.40							.....
"	"	22	40	48			12	5.00			2.00		2.00	1.00	.....
"	"	27	40	48			12	5.00					1.00	1.00	.....	1.00
"	"	30	46	48			6	5.00			2.00		1.00	1.00	.....
"	"	28	40	48			12	4.50			1.50		2.00	1.00	.....
"	"	19	42	48			10	4.50			1.50		2.00	2.00	.....
"	"	20	48	48			4	5.40			2.00		2.00	1.40	.....
"	"	25	40	48			12	5.40					2.20	2.20	.....

[illegible]

TABLE VIe — WORKING WOMEN — SPRINGFIELD — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.	
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non - employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Printing and binding....	American	19	52	.....	54	.....	.....	.....	\$4 00	.....	.....	\$2 00	.....	\$0 75	\$1 00	.....	.....	\$0 25
"	"	*18	4	.....	54	.....	.....	.....	4 00	.....	.....	2 00	.....	1 00	1 00	.....	.....	.....†
"	"	*20	4	.....	54	.....	.....	.....	3 50	.....	.....	.....	.....	1 75	1 75	.....	.....	.....
"	"	*22	4	.....	54	.....	.....	.....	3 50	.....	.....	.....	.....	1 75	1 75	.....	.....	.....
Totals and averages..	.....	24	37.3	2.9	51.2	.....	.....	6.2	\$5 52	.....	.....	\$1 55	\$0 05	\$1 71	\$1 73	14	\$0 25	

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VII — WORKING WOMEN — SPRINGFIELD.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa-	Other occupa-	Hours of labor per week.	Through sick-	Non-employ-	Strikes and other causes.	Average wages per week.	Wages of males.	Income other than wages.	Board and lodging.	Rent, light and heat.	Clothing.	Other necessities.		
Suspenders	American	*16	12	.....	57	.....	.....	.....	\$1 75	.....	.....	2 00	.....	1 00	.....	.....	.....
"	"	*16	12	.....	57	.....	.....	.....	3 50	.....	.....	2 00	.....	2 00	.....	.....	.....
"	"	17	28	24	57	.....	.....	.....	3 50	.....	.....	2 00	.....	1 75	1 50	.....	.....
"	"	19	52	.....	57	.....	.....	.....	5 50	.....	.....	2 50	.....	2 00	1 50	.....	.....
"	"	24	52	.....	57	.....	.....	.....	6 00	.....	.....	2 50	.....	2 00	1 50	.....	.....
"	"	22	52	.....	57	.....	.....	.....	6 00	.....	.....	2 00	.....	1 25	1 25	.....	.....
"	"	19	52	.....	57	.....	.....	.....	4 50	.....	.....	2 00	.....	1 25	1 25	.....	.....
"	"	*16	32	.....	57	.....	.....	.....	2 50	.....	.....	1 50	.....	75	75	.....	.....
"	"	22	52	.....	57	.....	.....	.....	3 00	.....	.....	1 50	.....	1 00	1 00	.....	.....
"	"	20	52	.....	57	.....	.....	.....	3 50	.....	.....	1 50	.....	1 00	1 00	.....	.....
Totals and averages..	.....	19	40.7	2.2	57	.....	.....	.....	\$3 93	.....	.....	\$2 13	.....	\$1 41	\$1 16	.....	.....

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VIg—WORKING WOMEN—SPRINGFIELD.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Tags, labels and seals...	American	*19	24	...	60	...	...	...	\$3 50	...	...	\$1 50	...	\$0 75	\$0 75	...	+
"	"	21	20	32	60	...	...	...	3 00	...	...	1 50	...	1 00	1 50	...	+
"	"	17	20	32	60	...	...	...	3 00	...	...	1 50	...	1 50	1 50	...	+
"	"	21	32	20	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	18	20	32	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*17	32	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	18	20	32	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*18	32	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*18	4	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*17	20	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	17	0	43	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*21	32	60	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	21	15	40	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	English	*20	12	40	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	American	*19	20	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*27	32	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*18	12	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*16	23	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	20	12	40	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*17	28	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*18	12	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*19	32	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
"	"	*17	20	...	60	...	...	...	3 00	...	...	1 50	...	1 25	1 25	...	+
Totals and averages..	.....	19	20.4	14.9	60	.....	.....	.....	\$3 27	.....	.....	\$0 87	.....	\$1 22	\$1 18	.....	\$0 04

* Began work during year covered by investigation.

† Gave earnings to parents.

TABLE VII.—WORKING WOMEN—SPRINGFIELD.

Occupation.	Nativity.	Age.	No. of weeks employed.			No. of weeks idle.			Weekly wages and income.			Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.	Hours of labor per week.	Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.		
Telephone operators....	American	35	52	...	60	...	...	...	\$8 75	...	...	\$4 00	...	\$0 75	\$1 50	...	\$2 50
"	"	*22	8	...	60	...	...	...	5 00	...	...	...	...	...	...	...	+
"	"	*21	36	...	60	...	...	...	5 00	...	...	2 00	...	1 00	60	...	+
"	"	*20	8	...	60	...	...	...	4 50	...	...	...	...	2 00	2 25	...	+
"	"	*17	24	...	60	...	...	...	4 25	...	...	...	...	...	...	...	+
"	"	*17	4	...	60	...	...	...	3 00	...	...	...	...	1 50	1 50	...	+
"	"	26	52	...	60	...	...	...	3 00	...	...	2 00	1 00	1 50	3 25	...	+
"	"	25	52	...	60	...	...	...	6 25	...	...	2 00	1 00	1 50	1 75	...	+
"	"	*27	20	...	60	...	...	...	5 00	...	...	1 00	...	2 50	2 50	...	+
"	"	*28	36	...	60	...	...	...	5 00	...	...	2 00	...	1 00	1 00	...	+
"	"	30	52	...	60	...	...	...	3 00	...	...	1 00	...	1 50	1 50	...	+
"	"	18	52	...	60	...	...	...	5 00	...	...	2 00	...	1 50	1 50	...	+
"	"	22	52	...	60	...	...	...	5 00	...	...	2 00	...	1 50	1 50	...	+
"	"	21	52	...	60	...	...	...	5 25	...	...	...	...	3 00	2 25	...	+
"	"	*23	52	...	60	...	...	...	5 00	...	...	...	...	1 50	1 50	...	+
"	"	*18	24	...	60	...	...	...	5 00	...	...	...	...	1 50	1 50	...	+
"	"	*19	30	...	60	...	...	...	5 00	...	...	...	...	1 50	1 50	...	+
"	"	23	52	...	60	...	...	...	6 25	...	...	...	...	2 75	75	...	+
"	"	25	24	...	60	...	...	...	4 25	...	...	2 50	...	2 50	1 25	...	+
"	"	*20	16	...	60	...	...	...	3 00	...	...	2 00	...	1 25	1 00	...	+
"	"	19	52	...	60	...	...	...	6 25	...	...	1 00	...	1 00	1 00	...	+
"	"	*17	12	...	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	*21	36	...	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	20	52	...	60	...	...	...	3 00	...	...	2 00	...	1 50	1 50	...	+
"	"	30	52	...	60	...	...	...	6 25	...	...	2 00	...	1 50	1 50	...	+
"	"	27	52	...	60	...	...	...	6 25	...	...	2 00	1 00	1 00	2 00	...	25
"	"	29	52	...	60	...	...	...	3 00	...	...	1 00	...	1 00	1 00	...	25
"	"	23	52	...	60	...	...	...	6 25	...	...	3 00	...	2 00	1 25	...	+
"	"	*18	16	...	60	...	...	...	3 00	...	...	...	...	...	...	...	+
"	"	18	12	...	60	...	...	...	3 25	...	...	...	...	2 00	1 25	...	+
"	"	18	20	...	60	...	...	...	3 00	...	...	1 25	...	1 00	1 75	...	+
"	"	20	32	...	60	...	...	...	4 50	...	...	2 00	...	2 00	50	...	+
"	"	21	32	...	60	...	...	...	3 00	...	...	...	...	1 50	1 50	...	+
"	"	23	32	...	60	...	...	...	5 00	...	...	2 00	...	1 1	1 50	...	+

TABLE VIh — WORKING WOMEN — SPRINGFIELD — Concluded.

Occupation.	Nativity.	Age.	No. of weeks employed.		Hours of labor per week.	No. of weeks idle.			Weekly wages and income.				Living expenses per week.				Number of dependents.	Average weekly savings.
			Present occupa- tion.	Other occupa- tions.		Through sick- ness.	Non-employ- ment.	Strikes and other causes.	Average wages- per week.	Wages of males. Same labor.	Income other than wages.	Board and lodg- ing.	Rent, light and heat.	Clothing.	Other neces- saries.			
Telephone operators.....	American	28	52	60	60	...	...	...	5 00	...	...	...	...	2 00	2 25	1	...
"	"	18	40	12	60	...	...	...	4 25	...	...	1 50	...	1 50	1 50	...	...
"	"	20	24	26	60	...	...	...	4 50	...	...	2 00	...	2 00	2 25	...	...
"	"	22	52	...	60	2	...	...	6 25	...	...	...	...	...	...	...	...
"	"	21	30	22	60	...	...	...	4 30	...	...	...	...	...	...	...	...
"	"	19	52	...	60	...	...	...	6 25	...	...	...	...	...	...	...	...
"	"	25	52	...	60	...	...	...	5 00	...	...	...	...	...	...	1	...
"	"	28	20	30	60	2	...	...	4 25	...	...	2 00	...	1 50	75	...	...
"	"	30	16	36	60	...	...	...	3 00	...	...	2 00	...	2 00	1 00	...	...
"	"	27	52	...	60	...	...	...	5 00	...	...	...	...	...	1 00	...	...
"	"	21	36	16	60	...	...	...	3 00	...	...	...	...	...	...	...	...
"	"	*19	24	...	60	...	...	...	3 00	...	...	2 50	...	1 75	75	...	...
"	"	20	52	...	60	...	...	...	5 00	...	...	...	...	1 50	1 50	...	...
"	"	*28	20	...	60	...	...	...	3 00	...	...	...	...	...	...	...	...
Totals and averages..	.....	22	35.9	6.8	60	...	...	...	\$4 53	...	...	\$1 34	\$0 08	\$1 63	\$1 48	2	\$0 06

* Began work during year covered by investigation.

† Gave earnings to parents.

PART IX.

Free Public Employment Offices and Chronology
of Labor Bureaus.

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CLEVELAND OFFICE.

CLEVELAND, OHIO, December 26th, 1902.

To the Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

SIR:—I have the honor to submit tables showing situations wanted, help wanted and positions secured for men and women for each week of the year 1902, as shown by the books of this office.

The complete summary of the work of the year shows that the number of positions secured for men shows an increase over the year 1901 of 498, or more than 23.6 per cent.; although the number of situations wanted was only 27 greater, or less than 1 per cent. The number of positions secured for women fell from 1947 to 1933, while the number of situations wanted was 375 less than in 1901. In other words, while there was a decrease of 375 (or more than 15 per cent.) in the number of applications for places by women, the number of positions secured was only 14 less than the year before.

These results show a marked increase in the efficiency of the office during 1902 as compared even with the year 1901, which far exceeded the showing made in any preceding year. Were it not for an illness, which practically kept me out of the office during the months of November and December, the showing for 1902 would have been even better.

The decrease in the number of applications for places for women is partially explained by the fact that the method of keeping count of such applications has been made much more stringent, and cuts out any possible repetition of the same application or of different applications by the same person.

A review of the record of the year shows that the demand for common labor was stronger than ever before, and the wages offered averaged close to \$2.00 per day. We found it utterly impossible to supply the demand for skilled labor, even at prices materially greater than ever before paid. The year 1902 was characterized by a very large demand for labor for work outside the city, especially labor for contract work. Taken as a whole, the conditions prevailing, both as to demands for labor and the wages paid, have been extremely satisfactory, and the results obtained have been good, although, with better facilities and allowances for certain forms of expense, they could undoubtedly have been better.

Respectfully submitted,

I. M. McMULLAN, *Superintendent.*

COLUMBUS OFFICE.

COLUMBUS, OHIO, December 26, 1902.

To the Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

SIR: I have the honor to herewith submit the 12th annual report of the Free Public Employment Office, of Columbus, Ohio, for the year ending December 25th, 1902.

A glance at the tabulated report of the work done by the several offices under the jurisdiction of our great State, demonstrate the wisdom of the advocates of a law that would make these offices the medium through which employers and employes could secure help or positions, without the loss of time or the expenditure of a single dollar—absolutely free for the asking. While a great many avail themselves of the privileges of these offices, there are a great many who do not. Why it is we are unable to say, but I should like to be able to impress on the minds of every employer that if they will give us a trial, we will demonstrate

to them that they can be saved lots of worry and trouble, and secure just such services as they may require on the shortest possible notice. Quite a number of men apply to us for positions who are not able to do a day's work such as is required of them by a great many employers, either by disability or old age, but who are very deserving and should have some kind of employment. For the men who are able to do a day's work, we have always been able to secure places. With the trades well organized, most of them have business agents whose duty it is to see that all members are employed, hence few mechanics apply to us for positions.

The provision made by the last General Assembly which enables us to advertise, although limited, has been very beneficial, and I sincerely trust that further legislation may be secured to the end that we may be enabled to keep a standing advertisement in all our daily papers. Acting under instructions from your Department, and in accordance with the provisions of a law passed by the last General Assembly, appropriating a stipulated sum for advertising purposes, we have entered into a contract with the Ohio State Journal for advertising space, at \$4.00 per one hundred lines, for which you will find a separate statement for the past six months. You will also find an itemized statement of other expenditures for the last six months of 1902, the first half year's expenditures having already been submitted to you.

I desire to express my appreciation of the many courtesies shown me by yourself, and your office force, during the past year.

Very Truly Yours,

S. P. EWING, *Superintendent.*

CINCINNATI OFFICE.

CINCINNATI, December 27th, 1902.

To the Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

MY DEAR SIR: It affords me great pleasure in submitting for your consideration, the annual report of the Cincinnati Free Public Employment Office, for the year 1902. During the past year this office has made a vast improvement over preceding years in almost every respect.

One fact to be noted, is the demand for mechanics—a very essential necessity to an office of this kind, whilst in the past our demand for such help has always been very limited. As yet, it is not what we trust it shall be in the very near future. Mechanics were greatly in demand, but very few were to be had. The demand for female help or “domestics” has been just as great if not greater than during preceding years and while we have been fortunate in securing our share of girls for such places, more than 50 per cent. of our orders have had to go unfilled, owing to the lack of domestic help. We also received a great many letters from girls from surrounding cities inquiring for domestic positions, but to assure a girl a position and bring her to a strange city is out of the question, as very few families in Cincinnati are willing to employ any one not able to furnish city or local reference. This in itself, prevents us from placing a great many worthy young ladies in positions of such character.

The advertising afforded this office though somewhat limited, has proved a valuable acquisition, the effects of which are just beginning to make itself felt, and which I feel satisfied, will be of material assistance to us in the future. The notices also sent through the mail have been a valuable help to this office as it brings us in closer touch with the manufacturers and general business firms of the city. After these notices have been sent out, there has been very few cases in which we have not received at least one or more orders to add to our list, and

in some cases, from firms that did not know that we furnished the class of help or employes needed by them. Another valuable addition to our list of necessities, are the factory orders, something this office has had an up hill task in securing. We have had quite a few in the last year with rather good prospects for more.

One of the most essential requisites in this locality, is the much needed regulations regarding obnoxious pay employment office. They still flourish to an unlimited extent in this city, and while a few who deal in no other but female help, carry on a legitimate business, we have two firms here who are a disgrace to the community. Several people in the past have had to resort to the law to get justice from them, or at least the return of their money, but in the majority of cases, these unfortunates have no means whereby they can compel the return of their money from such sharks. Laws should be passed controlling these offices to a greater extent than are in force at present. The license here of \$50.00 per annum is very insignificant considering the amount of poor people that are fleeced.

In connection with this report, I enclose herewith the semi-annual financial report of this office extending from July 1st to December 31st, 1902, inclusive; same itemized and arranged monthly.

In conclusion, permit me to thank you and your office force for the many courtesies shown me in the past, and to wish you the compliments of the season.

Very respectfully,

J. S. RICHARDSON, *Superintendent.*

DAYTON OFFICE.

DAYTON, OHIO, December 26th, 1902.

To the Hon. M. D. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

SIR:—I herewith submit my annual report for the year ending December 25th, 1902. The business conditions in Dayton and vicinity, since my last annual report have been unsurpassed in the history of this city. There have been no labor troubles of any kind arising this year. The manufacturing establishments of every kind have been in operation all the year, many of them day and night for much of the time. This condition has been most favorable to skilled labor of all kinds. The opportunities for the common laborers have been quite as favorable, and the wages paid has been in advance of what has been paid heretofore. The prevailing price for common labor being from \$1.50 to \$2.00 per day. The demands for domestic labor has never been so great as this year.

The calls upon my office for skilled, common and domestic labor has been far in excess of my ability to supply, so that no one who has applied to this office for a position in either of these lines of labor has necessarily been idle a day. A reference to my statistical report, herewith enclosed, will show the large number of persons who have found employment through this office, and make manifest of the fact that the Free Employment Office, under State supervision, meets the demands of our labor conditions, furnishing as it does, an easy and direct means of access to employers, or laborers.

The recent legislation which placed the Free Employment Offices entirely under State Supervision, and the special appropriation for advertising in the Daily Papers, already show their beneficial effects; for the office is no longer local, but general, and the people of adjoining cities and towns, and the country as well, now avail themselves of the benefits of the office; and the Superintendents can now reach, and help all the people in adjacent parts of the State.

In conclusion I wish to acknowledge the many courtesies and favors of yourself personally, and of your office-force during the year. Had it not been for these, my work would have been more difficult, and the success of my office not so great.

Very respectfully yours,

JOHN F. ILIFF, *Superintendent.*

TOLEDO OFFICE.

TOLEDO, OHIO, December 24th, 1902.

To the Hon. M. M. Ratchford, Commissioner of Labor Statistics, Columbus, Ohio.

SIR:—I have the honor to submit herewith the Annual Report of this office for the year 1902. The figures show that the usefulness of the Toledo office has increased substantially over the proceeding year. All the manufacturing institutions in Toledo have enjoyed unusual prosperity, enabling them to furnish steady employment to a large number of men.

During the summer months and through the month of October, the demand for all kinds of labor was largely in excess of the applicants for employment, and even within the last month, there have been calls for a greater number of common laborers than we could supply a part of the time.

The small allowance made by the General Assembly for advertising has shown excellent results. The efficiency of the Free Employment Office will be greatly increased by regular and more liberal advertising, and I earnestly recommend that the General Assembly appropriate sufficient money to enable us to keep employers and employes constantly posted in regard to each others wants.

Thanking you and your clerical assistants for the many courtesies during the past year, and hoping for a continuance of the same, I am

Very respectfully,

SAM COHN, *Superintendent.*

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF CLEVELAND FROM ITS ORGANIZATION JULY 1, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890	2,582	3,189	1,833	1,277	1,231	847	Per ct. 57 $\frac{1}{4}$	Per ct. 49 $\frac{1}{8}$
1891	6,308	925	886	3,880	3,471	2,503	33 $\frac{3}{8}$	77 $\frac{1}{4}$
1892	3,645	1,162	920	3,539	4,577	2,664	49 $\frac{3}{4}$	62 $\frac{1}{2}$
1893	2,664	935	768	4,157	2,671	2,825	50 $\frac{3}{8}$	90 $\frac{3}{8}$
1894	2,942	283	273	3,517	2,065	1,846	32 $\frac{1}{4}$	90 $\frac{1}{4}$
1895	1,980	450	444	2,732	2,963	2,009	52	71 $\frac{1}{4}$
1896	1,290	323	323	3,479	3,720	2,688	63	74 $\frac{1}{2}$
1897	2,684	919	855	3,244	3,320	2,608	58 $\frac{1}{2}$	81 $\frac{1}{4}$
1898	3,725	1,269	1,084	3,870	3,361	2,562	48	78 $\frac{1}{4}$
1899	3,173	1,037	657	1,350	1,640	1,051	37 $\frac{1}{4}$	63 $\frac{1}{4}$
1900	2,253	812	298	1,606	2,379	1,464	45 $\frac{3}{8}$	65 $\frac{1}{2}$
1901	3,384	3,264	2,108	2,765	3,069	1,947	66	64
1902, 1st quarter	829	665	506	649	640	463	65 $\frac{1}{2}$	74 $\frac{1}{4}$
1902, 2d quarter	964	1,520	730	561	750	451	80 $\frac{1}{4}$	54 $\frac{1}{4}$
1902, 3d quarter	1,042	1,617	835	592	722	499	84	59 $\frac{1}{2}$
1902, 4th quarter	576	784	435	588	707	520	82	64
Total	40,291	18,654	12,555	37,756	37,286	26,952	50 $\frac{3}{8}$	70 $\frac{3}{8}$

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF COLUMBUS FROM ITS ORGANIZATION SEPTEMBER 2, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890	1,965	1,192	684	710	722	525	Per ct. 45 $\frac{1}{4}$	Per ct. 63
1891	3,128	1,534	915	1,739	2,268	1,481	49 $\frac{1}{4}$	63
1892	2,907	2,013	1,244	1,658	2,162	1,152	52 $\frac{1}{2}$	57 $\frac{1}{4}$
1893	3,219	1,142	1,165	2,060	1,879	1,165	44	77
1894	2,672	605	456	2,226	1,852	1,843	36 $\frac{3}{4}$	73 $\frac{1}{4}$
1895	2,387	725	499	2,187	2,358	1,690	41	67 $\frac{1}{4}$
1896	3,422	700	585	2,476	2,350	1,928	42 $\frac{3}{4}$	82 $\frac{1}{4}$
1897	3,725	798	610	1,192	2,635	2,424	61 $\frac{1}{4}$	83 $\frac{1}{4}$
1898	3,872	746	593	652	3,135	2,389	77	89 $\frac{1}{4}$
1899	3,161	982	564	1,891	3,642	2,140	53 $\frac{1}{4}$	58 $\frac{1}{4}$
1900	1,217	1,270	499	1,395	2,935	1,681	66 $\frac{3}{4}$	48 $\frac{3}{4}$
1901	1,181	1,022	823	1,586	2,919	1,692	87 $\frac{1}{4}$	61 $\frac{1}{4}$
1902, 1st quarter	215	221	166	320	647	412	1,62 $\frac{1}{2}$	63 $\frac{1}{2}$
1902, 2d quarter	344	504	314	325	756	319	94 $\frac{3}{8}$	50 $\frac{1}{4}$
1902, 3d quarter	626	1,246	576	421	838	353	80 $\frac{1}{4}$	45
1902, 4th quarter	431	468	391	368	614	328	90 $\frac{3}{8}$	66 $\frac{3}{8}$
Total	34,972	15,168	10,089	21,715	31,762	21,227	55 $\frac{1}{4}$	66 $\frac{1}{4}$

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF CINCINNATI
FROM ITS ORGANIZATION JULY 25, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890	4,763	2,803	1,830	1,818	2,787	1,126	Per ct. 43½	Per ct. 52¾
1891	4,811	3,369	2,312	3,428	3,291	2,129	54	66¾
1892	3,139	1,980	1,497	2,789	2,782	1,613	52½	65½
1893	2,740	1,344	933	2,536	2,531	1,541	46¾	63¾
1894	2,778	297	267	3,162	1,383	1,144	23¾	84
1895	2,442	326	319	2,774	1,995	1,592	36¾	82½
1896	1,821	262	237	2,180	1,568	1,230	36¾	80
1897	1,399	163	160	1,606	905	764	30¾	86½
1898	1,620	173	173	1,760	1,081	871	31	83
1899	2,249	433	409	1,835	1,888	1,149	38	67
1900	2,552	1,323	1,246	1,463	2,018	1,033	56¾	68¼
1901	2,423	1,527	1,305	2,101	2,802	1,646	65¼	68¾
1902, 1st quarter	694	507	485	559	760	463	75¾	74¾
1902, 2d quarter	983	796	735	547	857	476	79	73¼
1902, 3d quarter	879	729	694	528	631	418	79	81¾
1902, 4th quarter	648	532	496	451	597	410	80¾	80¾
Total	35,941	16,569	13,098	29,567	27,876	17,605	46%	69%

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF DAYTON FROM
ITS ORGANIZATION JUNE 30, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
1890	2,944	1,384	399	1,083	878	418	Per ct. 20¼	Per ct. 31¾
1891	3,351	1,386	790	2,118	2,004	1,119	34¾	56¼
1892	2,671	1,232	883	1,474	1,770	989	45	61½
1893	3,052	1,613	1,121	1,893	2,290	1,627	56¼	70½
1894	3,657	800	777	3,761	2,447	1,934	36½	83½
1895	3,689	905	868	4,451	3,197	2,621	42¾	85
1896	3,578	884	780	4,957	3,109	2,696	40¾	87
1897	2,870	759	506	3,720	2,731	3,015	58	109½
1898	2,475	927	930	3,198	3,038	2,937	68¾	97½
1899	4,114	2,192	2,030	3,065	5,360	2,193	53¾	56
1900	3,113	2,507	1,701	2,681	4,385	1,954	63	53
1901	3,221	2,684	1,931	2,887	5,792	2,135	66½	48
1902, 1st quarter	852	552	438	759	1,285	546	61	53½
1902, 2d quarter	1,059	1,402	869	543	2,337	455	82¾	35¾
1902, 3d quarter	1,077	1,360	973	555	1,623	517	89¾	51¾
1902, 4th quarter	943	1,153	867	604	2,044	562	93½	44¾
Total	42,666	21,795	16,163	37,678	44,195	25,718	52	63%

REPORT OF FREE PUBLIC EMPLOYMENT OFFICE OF TOLEDO FROM
ITS ORGANIZATION JUNE 26, 1890.

Year.	Males.			Females.			Applications filled.	
	Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
							Per ct.	Per ct.
1890	2,334	2,885	1,329	719	1,083	497	59%	46
1891	3,859	2,481	2,064	1,799	2,479	1,391	61	69%
1892	3,160	1,790	1,361	1,964	2,654	1,422	54%	62%
1893	2,194	792	579	2,099	2,032	1,477	47%	72%
1894	2,472	441	367	1,950	1,693	1,359	39	80%
1895	3,167	645	547	1,649	1,659	1,236	37	77%
1896	2,557	879	836	1,937	1,835	1,616	54%	88%
1897	2,481	1,650	1,481	3,527	5,233	4,324	96%	82%
1898	2,426	1,378	1,249	3,471	5,532	4,407	96	81%
1899	2,562	1,572	1,398	2,745	5,151	3,398	90%	71%
1900	1,944	1,196	970	2,121	4,062	2,598	87%	67%
1901	2,426	3,230	1,983	1,349	1,965	1,362	83%	64%
1902, 1st quarter.....	793	379	347	574	565	382	53%	77%
1902, 2d quarter.....	1,202	1,337	968	650	1,007	547	81%	64%
1902, 3d quarter.....	1,068	1,043	751	553	672	466	75	71
1902, 4th quarter.....	932	1,154	638	595	682	522	76	63
Total	35,577	22,852	16,868	27,702	38,354	27,004	69%	71%

SUMMARY.

FROM REPORTS OF THE FIVE OFFICES, WITH POPULATION OF
CITIES IN WHICH OFFICES ARE LOCATED.

Cities.	Population.	Males and Females.			Applications filled.	
		Situations wanted.	Help wanted.	Positions secured.	For situations.	For help.
					Per ct.	Per ct.
Cleveland	381,768	78,047	55,940	39,507	50%	70%
Columbus	125,560	56,687	46,930	31,316	55%	66%
Cincinnati	325,902	65,508	44,445	30,703	46%	69%
Dayton	85,333	80,344	65,990	41,881	52	63%
Toledo	131,822	63,279	61,206	43,872	69%	71%
Grand total	1,050,385	343,865	274,511	187,279	54%	68%

COMPARATIVE STATEMENT.

Giving Total Number of Situations Wanted, Help Wanted, and Positions Secured in the five Free Public Employment Offices of the State for the Year 1902, Compared with 1901; Both Males and Females.

MALES.

Location.	Situations wanted.		Help wanted.		Positions secured.	
	1901.	1902.	1901.	1902.	1901.	1902.
Cleveland	3,384	3,411	3,264	4,586	2,108	2,606
Columbus	1,181	1,616	1,022	2,439	828	1,447
Cincinnati	2,423	3,204	1,527	2,564	1,305	2,410
Dayton	3,221	3,931	2,684	4,472	1,931	3,147
Toledo	2,426	3,995	3,230	3,913	1,983	2,704
Totals	12,635	16,157	11,727	17,974	8,155	12,314

FEMALES.

Location.	Situations wanted.		Help wanted.		Positions secured.	
	1901.	1902.	1901.	1902.	1901.	1902.
Cleveland	2,765	2,390	3,069	2,819	1,947	1,933
Columbus	1,586	1,443	2,919	2,855	1,592	1,417
Cincinnati	2,101	2,115	2,802	2,845	1,646	1,767
Dayton	2,887	2,491	5,792	7,194	2,135	2,080
Toledo	1,349	2,372	1,965	2,926	1,362	1,917
Totals	10,688	10,811	16,547	18,639	8,682	9,114

EXPENSE REPORTS.

Giving itemized statement of expenses of the Free Public Employment Offices
of the State for the year ending Decembr 31, 1902.

CLEVELAND OFFICE.

Rent	\$300 00	
Janitor service	4 50	
Laundry service	7 20	
Postage	22 64	
Ice	18 22	
Telephone rent — Bell	48 00	
Telephone rent — Cuyahoga	36 00	
Toll service	2 30	
Advertising	9 58	
City directory	6 00	
Total		\$454 44

COLUMBUS OFFICE.

Rent	\$240 00	
Janitor service	63 00	
Laundry service	12 00	
Gas	16 60	
Postage	13 20	
Ice	8 50	
Telephone rent	40 00	
Advertising	28 00	
City directory	5 00	
Incidentals	3 80	
Total		\$430 10

CINCINNATI OFFICE.

Rent	\$240 00	
Janitor service	70 00	
Laundry service	6 00	
Gas	4 83	
Coal	13 25	
Postage	20 50	
Ice	6 40	
Telegrams	1 18	
Telephone rent	72 25	
Advertising	27 30	
City directory	7 00	
Incidentals	13 49	
Total		\$482 20

DAYTON OFFICE.

Rent	\$240 00	
Janitor service	36 00	
Laundry service	9 00	
Gas	2 21	
Postage	11 73	
Telephone rent	54 00	
Toll service	65	
Advertising	15 15	
City directory	5 00	
Incidentals	11 85	
Total		\$385 59

TOLEDO OFFICE.

Rent, janitor and fuel.....	\$312 00	
Laundry service	9 00	
Gas	10 40	
Postage	25 60	
Ice	3 10	
Telegrams	8 35	
Telephone rent	84 00	
Toll service	6 05	
Advertising	11 80	
City directory	5 00	
Incidentals	11 65	
Total		\$486 95
Total expenditures for year.....		\$2,239 28

TABULATED REPORTS OF EMPLOYMENT OFFICES.

TABLE I—CLEVELAND OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from January 2d, 1902, to December 25th, 1902, Inclusive.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
January	2.....	38	10	10	34	33	27
	9.....	43	42	33	61	63	45
	16.....	51	24	22	54	49	32
	23.....	49	39	14	48	43	36
	30.....	70	63	30	52	55	38
February	6.....	64	48	32	37	39	23
	13.....	95	83	61	52	41	35
	20.....	78	46	46	51	46	36
	27.....	70	57	56	58	49	41
March	6.....	71	49	48	44	38	33
	13.....	45	30	30	44	60	30
	20.....	64	68	46	58	58	42
	27.....	91	106	78	56	66	45
April	3.....	90	89	61	32	50	25
	10.....	58	72	51	41	51	32
	17.....	51	108	43	59	72	45
	24.....	62	114	55	55	58	46
May	1.....	115	260	105	39	59	29
	8.....	71	212	61	26	44	22
	15.....	78	127	68	63	88	52
	22.....	68	53	44	55	58	43
	29.....	35	36	30	22	44	17
June	5.....	118	150	104	53	78	45
	12.....	65	91	51	32	46	28
	19.....	72	139	53	45	48	35
	26.....	81	69	54	39	54	32
July	3.....	47	35	30	39	38	30
	10.....	76	80	66	37	44	29
	17.....	76	90	68	42	51	37
	24.....	61	61	53	33	36	25
	31.....	40	32	23	24	29	17
August	7.....	109	129	101	42	60	40
	14.....	126	126	97	74	97	54
	21.....	78	83	70	55	68	50
	28.....	118	157	111	58	64	51

TABLE I — CLEVELAND OFFICE — Concluded.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
September	4.....	53	90	37	34	44	25
	11.....	34	115	29	50	70	46
	18.....	101	242	89	48	62	44
	25.....	123	377	111	56	62	51
October	2.....	63	173	51	37	46	30
	9.....	54	90	44	39	44	31
	16.....	39	54	29	34	42	28
	23.....	79	123	75	48	63	45
	30.....	34	48	23	29	48	26
November	6.....	35	45	30	50	69	46
	13.....	45	46	39	59	70	55
	20.....	79	120	76	54	63	51
	27.....	20	21	17	43	53	40
December	4.....	11	14	9	55	58	48
	11.....	42	17	12	56	50	46
	18.....	45	22	20	37	41	32
	25.....	30	11	10	47	57	42
Totals		3,411	4,586	2,606	2,390	2,819	1,933

TABLE II—COLUMBUS OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from
January 2d, 1902, to December 25th, 1902, Inclusive.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
January	2.....	3	4	3	34	45	35
	9.....	24	59	14	29	53	42
	16.....	12	6	5	27	49	40
	23.....	10	7	6	24	38	26
	30.....	11	9	8	25	51	33
February	6.....	10	6	6	20	45	21
	13.....	8	5	5	32	43	37
	20.....	21	15	14	30	40	29
	27.....	21	18	16	29	63	35
March	6.....	15	11	10	24	65	40
	13.....	30	29	28	19	50	29
	20.....	23	22	23	18	44	18
	27.....	27	30	28	18	61	27
April	3.....	16	20	17	27	58	36
	10.....	24	27	23	24	59	27
	17.....	31	31	24	33	65	26
	24.....	27	36	21	24	68	26
May	1.....	17	23	15	21	57	22
	8.....	42	50	41	25	63	21
	15.....	35	37	34	22	57	23
	22.....	23	27	22	23	46	20
	29.....	32	45	32	19	47	19
June	5.....	11	88	9	11	41	14
	12.....	26	23	22	33	69	30
	19.....	36	62	32	31	70	26
	26.....	24	35	22	32	56	29
July	3.....	29	35	24	19	29	17
	10.....	37	526	35	27	43	22
	17.....	65	75	59	37	56	34
	24.....	48	64	43	44	46	34
	31.....	50	50	43	33	54	28
August	7.....	77	91	74	37	68	29
	14.....	74	139	71	49	77	44
	21.....	58	42	55	39	65	34
	28.....	62	70	51	20	90	21
September	4.....	29	38	32	16	69	13
	11.....	25	26	21	43	83	38
	18.....	35	57	33	25	76	23
	25.....	37	33	35	32	82	21

TABLE II — COLUMBUS OFFICE — Concluded.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
October	2.....	47	57	43	37	68	29
	9.....	48	56	51	34	68	33
	16.....	56	53	48	29	52	27
	23.....	32	37	30	28	59	26
	30.....	37	37	33	25	53	26
November	6.....	25	37	25	23	30	18
	13.....	35	46	32	32	64	31
	20.....	15	15	14	38	46	29
	27.....	31	30	29	27	25	26
December	4.....	34	29	28	34	45	33
	11.....	21	23	19	19	34	18
	18.....	33	30	24	26	37	17
	25.....	17	18	15	16	33	15
Totals	.....	1,616	2,439	1,447	1,443	2,855	1,417

TABLE III — CINCINNATI OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from January 2d, 1902, to December 25th, 1902, Inclusive.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
January	2.....	41	24	23	41	51	33
	9.....	27	12	11	55	83	44
	16.....	22	9	7	53	70	45
	23.....	37	16	16	54	72	44
	30.....	27	14	14	44	55	32
February	6.....	89	80	80	37	60	32
	13.....	32	7	7	39	53	38
	20.....	75	63	61	36	41	29
	27.....	37	27	26	46	41	33
March	6.....	41	37	30	34	58	29
	13.....	133	121	119	51	61	42
	20.....	74	56	54	30	46	26
	27.....	59	41	37	39	69	36
April	4.....	85	69	64	36	60	28
	10.....	44	28	27	51	53	41
	18.....	96	68	63	35	66	28
	24.....	80	62	60	54	87	48
May	2.....	89	87	77	38	62	35
	9.....	77	73	57	45	91	44
	16.....	89	75	70	38	63	33
	22.....	59	46	44	46	63	42
	29.....	84	72	69	41	73	39
June	5.....	61	44	44	44	66	37
	12.....	48	38	34	47	67	39
	19.....	104	92	86	34	45	27
	26.....	67	42	40	38	61	35
July	3.....	60	42	40	53	44	39
	10.....	57	51	48	28	31	20
	17.....	67	55	52	25	31	19
	24.....	62	50	48	47	38	34
	31.....	67	53	53	47	36	34
August	7.....	63	46	44	44	43	36
	14.....	63	51	49	34	37	32
	21.....	41	29	29	44	45	31
	28.....	55	43	41	51	61	42
September	4.....	99	91	84	40	57	36
	11.....	90	83	78	47	86	39
	18.....	83	75	70	34	64	25
	25.....	72	60	58	34	58	31

TABLE III — CINCINNATI OFFICE — Concluded.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
October	2.....	88	93	76	43	80	38
	9.....	71	53	51	40	42	37
	16.....	57	48	48	43	36	30
	23.....	62	51	50	48	55	42
	30.....	55	47	45	41	45	38
November	6.....	33	29	23	43	68	38
	13.....	52	43	42	46	56	38
	20.....	63	52	50	44	50	40
	27.....	23	15	13	30	40	29
December	4.....	59	51	50	28	32	19
	11.....	36	18	18	24	27	17
	18.....	39	28	27	31	42	26
	25.....	10	4	3	20	24	18
Totals		3,204	2,564	2,410	2,115	2,845	1,767

TABLE IV—DAYTON OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from January 2d, 1902, to December 25th, 1902, Inclusive.

Week ending—		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
January	2.....	50	21	21	53	91	40
	9.....	66	31	31	63	105	49
	16.....	64	30	30	65	96	45
	23.....	62	30	30	54	84	39
	30.....	73	43	41	56	97	42
February	6.....	59	36	35	57	82	39
	13.....	62	38	38	54	78	39
	20.....	69	21	21	60	112	41
	27.....	46	21	21	70	112	47
March	6.....	61	23	23	68	104	46
	13.....	64	24	24	64	116	45
	20.....	81	111	57	48	142	40
	27.....	95	123	66	47	166	34
April	3.....	83	120	57	33	205	30
	10.....	113	123	69	55	214	36
	17.....	82	121	67	34	210	31
	24.....	76	140	72	53	240	42
May	1.....	92	142	77	24	227	23
	8.....	66	106	57	50	225	45
	15.....	75	89	63	41	170	40
	22.....	75	92	67	44	153	32
	29.....	95	141	83	34	177	30
June	5.....	91	117	80	38	150	31
	12.....	83	93	71	59	152	51
	19.....	70	68	59	33	108	28
	26.....	58	50	47	45	106	36
July	3.....	59	50	50	44	122	36
	10.....	75	113	72	54	111	47
	17.....	86	94	77	56	103	50
	24.....	76	83	68	40	126	35
	31.....	71	64	58	45	112	39
August	7.....	63	53	52	40	94	32
	14.....	110	164	100	44	87	38
	21.....	97	185	93	46	95	40
	28.....	87	83	78	42	118	38
September	4.....	91	116	83	36	138	33
	11.....	89	118	83	53	128	49
	18.....	84	113	76	45	134	42
	25.....	89	124	83	40	160	38

TABLE IV — DAYTON OFFICE — Concluded.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
October	1902.						
	2.....	84	132	76	45	148	43
	9.....	78	100	70	51	179	47
	16.....	72	117	65	44	192	41
	23.....	73	78	66	56	172	53
	30.....	51	57	48	39	171	37
November	6.....	65	74	60	51	173	48
	13.....	58	60	53	45	140	40
	20.....	69	76	64	47	158	43
	27.....	57	66	53	46	160	42
December	4.....	91	131	87	50	152	47
	11.....	83	80	79	47	94	45
	18.....	94	91	87	48	108	46
	25.....	68	96	59	35	97	30
Totals	.....	3,931	4,472	3,147	2,491	7,194	2,080

TABLE V—TOLEDO OFFICE.

Giving Number of Situations Wanted, Help Wanted, and Positions Secured from January 2d, 1902, to December 25th, 1902, Inclusive.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
January	2.....	34	13	9	28	27	17
	9.....	32	16	16	30	32	20
	16.....	32	18	17	37	41	28
	23.....	45	18	12	42	56	24
	30.....	52	18	18	46	33	32
February	6.....	69	25	23	46	49	32
	13.....	78	29	26	54	40	29
	20.....	78	34	34	47	44	34
	27.....	71	46	36	43	42	31
March	6.....	75	30	28	52	49	29
	13.....	73	45	44	54	46	38
	20.....	75	37	37	46	51	35
	27.....	79	50	47	49	55	33
April	3.....	82	54	48	50	59	40
	10.....	63	48	41	45	51	36
	17.....	68	49	45	40	78	32
	24.....	86	73	66	49	66	36
May	1.....	86	105	74	48	83	46
	8.....	118	159	103	47	87	44
	15.....	105	140	91	66	105	57
	22.....	100	155	85	57	90	46
	29.....	98	135	86	47	77	39
June	5.....	88	83	59	52	81	41
	12.....	95	112	83	45	74	44
	19.....	94	103	84	46	76	39
	26.....	119	121	103	58	80	47
July	3.....	105	94	80	59	71	44
	10.....	88	75	61	44	49	36
	17.....	87	75	57	45	58	38
	24.....	84	101	70	46	69	42
	31.....	91	73	67	41	60	37
August	7.....	76	60	55	30	43	24
	14.....	67	52	51	39	44	33
	21.....	67	60	49	39	40	34
	28.....	76	74	52	40	38	33
September	4.....	71	68	53	42	43	34
	11.....	80	64	49	42	43	36
	18.....	91	124	59	46	57	39
	25.....	85	123	48	40	57	36

TABLE V — TOLEDO OFFICE — Concluded.

Week ending —		Males.			Females.		
		Situations wanted.	Help wanted.	Positions secured.	Situations wanted.	Help wanted.	Positions secured.
1902.							
October	2.....	98	272	75	47	63	43
	9.....	115	176	95	53	62	45
	16.....	84	116	67	50	58	45
	23.....	74	119	58	52	57	46
	30.....	67	84	52	50	65	43
November	6.....	74	75	54	53	59	47
	13.....	62	50	38	51	57	45
	20.....	67	65	42	53	55	48
	27.....	56	46	36	44	59	39
December	4.....	68	42	34	38	41	31
	11.....	65	43	33	38	41	34
	18.....	56	38	31	34	33	29
	25.....	46	28	23	32	32	27
Totals		3,995	3,913	2,704	2,372	2,926	1,917

CHRONOLOGY OF BUREAUS.

State.	When organized.	Chief Officers.	Incumbency.	
			Date.	Year.
United States	1884	Carroll D. Wright.....	1885	16
Arkansas	1889	M. F. Locke.....	1889-1893	4
		W. G. Vincenheller.....	1893-1899	5
		Frank Hill.....	1899	2
California	1888	John S. Enos.....	1888-1887	4
		John J. Tobin.....	1887-1891	4
		George W. Waltz.....	1891-1895	4
		E. L. Fitzgerald.....	1895-1899	4
		F. V. Meyers.....	1899	2
Colorado	1887	C. J. Driscoll.....	1887-1889	2
		John W. Lockin.....	1889-1891	2
		Lester Bodine.....	1891-1893	2
		I. W. Brentlinger.....	1893-1895	2
		W. H. Klett.....	1895-1899	4
		Peter Jennings.....	1899	1
Connecticut	1873	Jas. T. Smith.....	1899	2
		James F. Babcock.....	1873-1874	1
		Samuel J. Starr.....	1874-1875	1
		Arthur T. Hadley.....	1885-1887	2
		Samuel M. Hotchkiss.....	1887-1893	6
		Robert J. Vance.....	1893-1895	2
		S. B. Horne.....	1895-1899	4
Idaho	1895	Harry E. Back.....	1899	2
Illinois	1879	J. A. Cizek.....	1895	6
		F. H. B. McDowell.....	1879-1881	12
		John S. Lord.....	1881-1893	12
		George A. Schilling.....	1893-1897	4
Indiana	1879	David Ross.....	1897	4
		John Collett.....	1879-1881	2
		John B. Conner.....	1881-1883	2
		William A. Peele, Jr.....	1883-1895	12
		Simeon J. Thompson.....	1895-1897	2
		John B. Conner.....	1897	4
Iowa	1884	E. R. Hutchins.....	1884-1890	6
		J. R. Sovereign.....	1890-1894	4
		W. E. O'Brien.....	1894-1900	6
Kansas	1885	C. F. Wennerstrum.....	1900	1
		Frank H. Betton.....	1885-1893	8
		J. F. Todd.....	1893-1895	2
		Wm. G. Bird.....	1895-1897	2
Kentucky	1876	W. L. A. Johnson.....	1897	3
		C. E. Bowman.....		
		C. Y. Wilson.....		
		Nicholas McDowell.....	1892-1896	4
Louisiana	1900	Lucas Moore.....	1896	4
Maine	1887	Thos. Harrison.....	1900	1
Maryland	1894	Samuel W. Matthews.....	1887	13
		Thos. C. Weeks.....	1884-1892	8
		Allen B. Howard, Jr.....	1892-1896	4
		Charles H. Myers.....	1896-1898	2
		J. D. Wade.....	1898-1900	2
Massachusetts	1869	Thos. A. Smith.....	1900	1
		Henry K. Oliver.....	1869-1873	4
		Carroll D. Wright.....	1873-1888	15
Michigan	1888	Herace G. Wadlin.....	1888	12
		John W. McGrath.....	1883-1885	2
		C. V. R. Pond.....	1885-1887	2
		A. H. Heath.....	1887-1891	4
		Henry A. Robinson.....	1891-1893	2
		Charles H. Morse.....	1893-1897	4
Minnesota	1887	Joseph L. Cox.....	1897	3
		John Lamb.....	1887-1891	4
		J. P. McGaughey.....	1891	
		L. G. Powers.....	1891-1899	8
Missouri	1879	Martin F. McHale.....	1899	2
		W. H. Hilkene.....	1880-1882	2
		H. J. Spaunhorst.....	1882-1883	1
		H. A. Newman.....	1883-1885	2
		Oscar Kochtitzky.....	1885-1889	4
		Lee Meriwether.....	1889-1891	2
		Willard C. Hall.....	1891-1893	2
		Henry Blackmore.....	1893-1895	2
		Lee Meriwether.....	1895-1897	2
		Arthur Rozelle.....	1897-1899	2
		Thos. P. Rixey.....	1899-1901	2
		Wm. Anderson.....	1901	.....

CHRONOLOGY OF BUREAUS—Concluded.

State.	When organized.	Chief Officers.	Incumbency.	
			Date.	Year.
Montana	1893	James H. Mills.....	1893-1897	4
		J. H. Calderhead.....	1897-1901	4
Nebraska	1887	J. A. Ferguson.....	1901	.....
		John Jenkins.....	1887-1890	3
		Philip Andres.....	1891-1893	2
		J. B. Erion.....	1893-1895	2
		J. H. Powers.....	1895-1897	2
		S. J. Kent.....	1897-1900	3
		C. E. Watson.....	1900	1
New Jersey	1878	James Bishop.....	1878-1893	15
		Charles H. Simmerman.....	1893-1898	5
		William Stainsby.....	1898	2
New Hampshire	1893	John W. Bourlett.....	1893-1896	3
		Julian F. Trask.....	1896-1899	3
New York	1883	Lysander H. Carroll.....	1899	2
		Charles F. Peek.....	1883-1893	10
		Thomas J. Dowling.....	1893-1896	3
		John T. McDonough.....	1896-1899	3
		John McMakin.....	1899	2
North Carolina	1887	W. N. Jones.....	1887-1889	2
		John C. Scarborough.....	1889-1893	4
		B. R. Lacey.....	1893-1897	4
		James Y. Hamrick.....	1897-1899	2
		H. B. Varner.....	1901	.....
North Dakota	1889	H. T. Helgesen.....	1889-1893	4
		Nelson Williams.....	1893-1895	2
		A. H. Laughlin.....	1895-1897	2
		H. U. Thomas.....	1897	4
Ohio	1877	Harry J. Walls.....	1877-1881	4
		Henry Luskey.....	1881-1885	4
		L. McHugh.....	1885-1887	2
		A. D. Fasset.....	1887-1890	3
		John McBride.....	1890-1892	2
		W. T. Lewis.....	1892-1896	4
		William Ruehrwein.....	1896-1898	2
		John P. Jones.....	1898-1900	2
		M. D. Ratchford.....	1900	1
Pennsylvania	1872	Thomas J. Bigham.....	1872-1875	3
		W. H. Grier.....	1875-1879	4
		M. S. Humphreys.....	1879-1883	4
		Jcel B. McCamant.....	1883-1887	4
		Albert S. Bolles.....	1887-1895	8
		James M. Clark.....	1895	6
Rhode Island	1887	Jesiah B. Bowdich.....	1887-1889	2
		Almon K. Goodwin.....	1889-1893	4
		Henry E. Tiepke.....	1893	8
*South Dakota	1890	Frank Wilder.....	1890-1891	1
		Robert A. Smith.....	1891-1893	2
		Walter McKay.....	1893-1895	2
		S. A. Wheeler.....	1895	6
Tennessee	1891	George W. Ford.....	1891-1893	2
		John E. Lloyd.....	1893-1895	2
		F. P. Clute.....	1895-1896	1
		A. H. Wood.....	1896-1897	1
		A. D. Hargis.....	1897-1899	2
		R. A. Schieffelt.....	1899	2
*Utah	1890	Joseph P. Bache.....	1890	8
Virginia	1898	A. P. Montague.....	1898-1900	2
		James B. Doherty.....	1900	1
Washington	1897	W. C. P. Adams.....	1897	4
Wisconsin	1883	Frank A. Flower.....	1883-1889	6
		H. M. Stark.....	1889-1891	2
		J. Dobbs.....	1891-1895	4
		Halford Erickson.....	1895	6
West Virginia	1889	Edward Robinson.....	1889-1893	4
		John N. Svedenstricker.....	1893-1897	4
		I. V. Barton.....	1897	4

* Died.

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